abcam

ab209478

PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control

Anti-Rabbit IgG, monoclonal [EPR25A] - Isotype Control- PE conjugated (ab209478) is a rabbit recombinant monoclonal antibody used in **Flow Cytometry (Intra), ICC/IF**.

- Biophysical QC for unrivalled batch-batch consistency

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Clone number	EPR25A
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Predicted

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Predicted

Species	Human
Dilution info	-
Notes	-

Flow Cyt

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Aliquoting information	Upon delivery aliquot

Storage information	Store in the dark

Notes

What is this antibody validated in?
PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478) is a rabbit recombinant monoclonal antibody and is validated for use in Flow Cytometry (Intra), Flow Cytometry (Flow Cyt), Immunocytochemistry/immunofluorescence (ICC/IF).

Other related products
We have a range of other formats of antibody clone [EPR25A] also available for your convenience: ab172730, Alexa Fluor® 488 - ab199091, Alexa Fluor® 647 - ab199093, Carrier free - ab199376, HRP - ab199507, Alexa Fluor® 405 - ab208150, Alexa Fluor® 594 - ab208568, Alexa Fluor® 555 - ab208569, PE - ab209478, Alexa Fluor® 568 - ab209613, Carrier free - ab210849, PerCP - ab222107, FITC - ab223339, APC - ab232814, Biotin - ab320073, Alexa Fluor® 750 - ab322086

Immunogen
Chemical / Small Molecule conjugated to keyhole limpet haemocyanin. KLH is a copper containing oxygen carrier occurring freely dissolved in the hemolymph of many molluscs and arthropods. KLH forms a large complex composed of ~50 kDa subunits.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

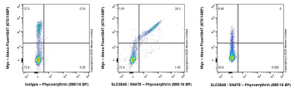
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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40 product images

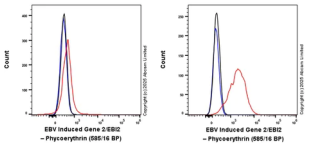


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometric analysis of 2% paraformaldehyde fixed 0.1% Tween-20 permeabilized Isotype (Left) / 293T (human embryonic kidney epithelial cell) cells transfected with a human SLC38A5 expression vector containing a Myc tag (Middle) / 293T cells transfected with an empty expression vector containing a Myc tag (Right) cells labelling SLC38A5 / SNAT5 with ab324287 at 1/50000 dilution (0.001ug) / Middle and Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control.

Live cells were surface stained with our antibody, then fixed with 2% PFA followed by intracellular staining with Myc-tag conjugated to Alexa Fluor® 647.

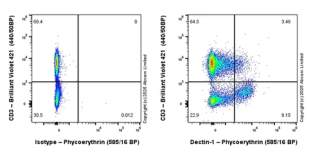


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometric analysis of HeLa (human cervical adenocarcinoma epithelial cell, Left) / KARPAS-299(human T cell lymphoma cell, Right) cells labelling EBV Induced Gene 2/EBI2 with ab325228 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

Gated on viable cell.
Negative control: HeLa.

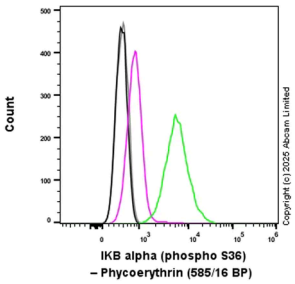


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling Dectin-1 with ab325314 at 1/5000 dilution (0.01ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control.

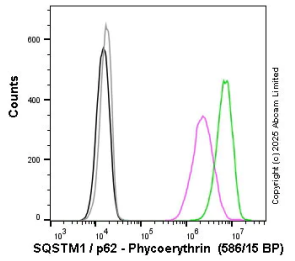
Gated on viable cells. Cells are co-stained with CD3 conjugated to Brilliant Violet 421.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (human cervical adenocarcinoma epithelial cell) treated with 1%FBS for 3hours then 100nM Calyculin A for 10min (Green) / Untreated control (Magenta) cells labelling IkappaB-alpha (pS36) with ab325262 at 1/5000 dilution (0.01ug) / Green and Magenta compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) (Black) and (Grey) isotype control.

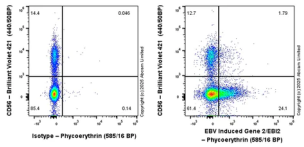


Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Overlay histogram showing HeLa cells untreated (magenta line) and HeLa cells treated with Chloroquine, 50µM, 24 hours, (green line) stained with ab225454. The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab225454, 1µg/ml) for 30 min at 22°C.
Isotype control antibody (HeLa cells untreated - black line, HeLa cells treated - grey line) was Rabbit IgG (monoclonal) Phycoerythrin (PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control ab209478) used at the same concentration and conditions as the primary antibody.

Acquisition of >5,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 586/15 bandpass filter.

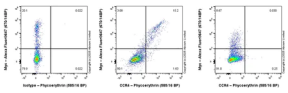


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling EBV Induced Gene 2/EBI2 with ab325228 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control.

Gated on viable cell.
Cells were co-stained with CD56 conjugated to Brilliant Violet 421.

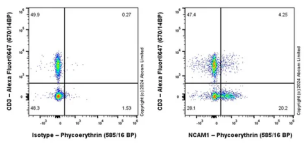


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometric analysis of 2% paraformaldehyde fixed 0.1% Tween-20 permeabilized Isotype (Left) / 293T cells transfected with a mouse CCR4 expression vector containing a myc-His-tag® (Middle) / 293T cells transfected with an empty expression vector containing a myc-His-tag® (Right) cells labelling CCR4 with ab324333 at 1/5000 dilution (0.01ug) / Middle and Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were surface stained with isotype control or our antibody. Then fixed with 2% PFA for 10min followed by intracellularly stained with anti-myc tag conjugated to Alexa Fluor® 647.

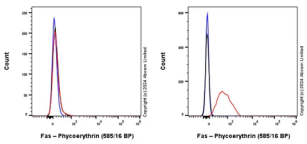


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling NCAM1 with ab322667 at 1/5000 dilution (0.01ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells are co-stained with CD3 conjugated to Alexa Fluor®647.
Gated on viable cells.

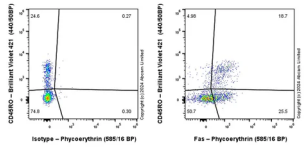


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometric analysis of K-562 (human chronic myelogenous leukemia lymphoblast, Left) / Jurkat (human T cell leukemia T lymphocyte from peripheral blood, Right) cells labelling Fas with ab322450 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Negative control: K-562 (PMID: 9168303).
Gated on viable cells.



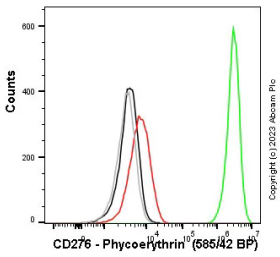
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling Fas with ab322450 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG

monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Gated on viable cells.
Cells are co-stained with CD45RO conjugated to BV421.



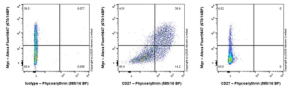
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing wild-type HEK293T (green line) and cd276 knockout HEK293T stained with ab314419 (red line). The cells were incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab314419) (1x 10^6 in 100µl at 1.0 µg/ml (1/500)) for 30min on ice.

Isotype control antibody Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) was used at the same concentration and conditions as the primary antibody (wild-type HEK293T - black line, cd276 knockout HEK293T - grey line). Unlabelled sample was also used as a control (this line is not shown for the purpose of simplicity).

Acquisition of >5000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

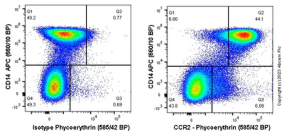


Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Isotype (Left) / 293T cells transfected with a mouse CD27 expression vector (Middle) / 293T cells transfected with an empty expression vector (Right) cells labelling CD27 with ab324175 at 1/5000 dilution (0.01ug) / Middle and Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control.

Cells were co-stained with Myc tag conjugated to Alexa Fluor®647.

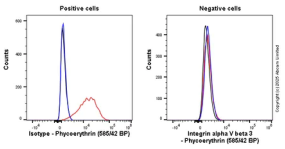


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human peripheral blood mononuclear cells (PBMCs) using rabbit Anti- antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab314292 (right) or Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (left). PBMCs were incubated for 30 min on ice in 1x PBS containing 10 µg/ml human IgG and 10 % normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab314292 or Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (1x 10^6 in 100 µl at 0.2 µg/ml (1/2500)) for 30min on ice. The cells were simultaneously stained with CD16.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter. Events were gated on Viable Cells.



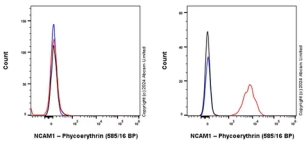
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing U-87 positive cells (left) and A549 negative cells (right) stained with ab325094 (red line). The cells were incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab325094) (1x 10^6 cells in 100µl at 0.2 µg/ml (1/2,500)) for 30min on ice.

Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (black line) was used at the same concentration and conditions as the primary antibody (red line). Unlabelled sample was also used as a control (blue line).

Acquisition of > 10,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

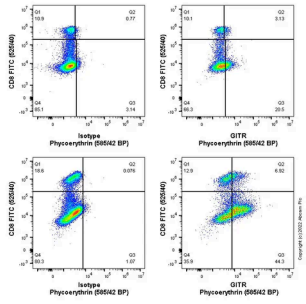


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometric analysis of MCF7 (human breast adenocarcinoma epithelial cell, Left) / No-GFP-CD16.NK-92 (CD16 ectopically expressed natural killer(NK-92®) cell with no GFP tag, Right) cells labelling NCAM1 with ab322667 at 1/5000 dilution (0.01ug) (Red) compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

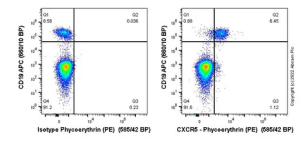
Negative control: MCF7 (PMID: 30050775).
Gated on viable cells.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of Human PBMCs using rabbit Anti- antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) (top) or human peripheral blood mononuclear cells (PBMCs) treated with CD3/CD28 activation for 72h (bottom), with ab307641 (right) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) isotype (left). PBMCs were fixed and permeabilised with BD Cytofix/Cytoperm™ for 20 min. PBMCs were incubated in 1x PBS containing 10µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab307641) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) isotype (1x 106 in 100µl at 0.2 µg/ml (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD8.

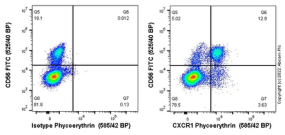


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMCs using rabbit Anti- antibody

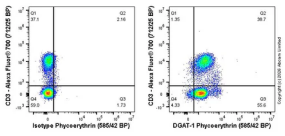
Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab307637 (right) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) isotype (left). PBMCs were incubated for 30 min on ice in 1x PBS containing 10µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab307637) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) isotype (100 µl at 0.0016µg/ml (1/312500)) for 30 min on ice. The cells were simultaneously stained with CD19.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter. Events were gated on live lymphocytes.



Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human peripheral blood mononuclear cells using rabbit Anti- antibody



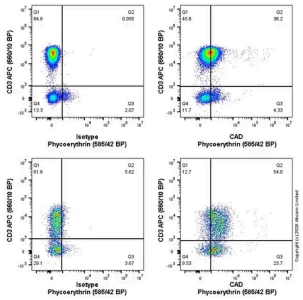
Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of Human peripheral blood mononuclear cells (PBMCs) using rabbit Anti- antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab326259 (right) or Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (left). Cells were fixed and permeabilised with BD Cytofix/Cytoperm™ for 20 min. PBMCs were incubated for 30 min at 4°C in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab326259) or Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (1x 10^6 in 100µl at 0.2 µg/ml (1/2500)) for 30min at 4°C. The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter. Events were gated on viable lymphocytes.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



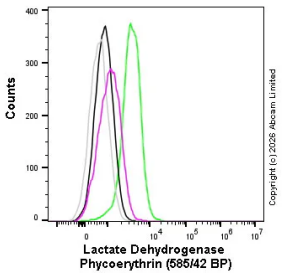
Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of Human peripheral mononuclear cells (PBMCs) using rabbit Anti- antibody

Flow cytometry scatter plots showing untreated human peripheral mononuclear cells (PBMCs) (top) and PBMCs activated with 5 µg/ml PHA for 18h (bottom), either stained with ab305486 (right) or isotype control (left). The cells were fixed using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab305486) (1x 10^6 in 100µl at 1 µg/ml (1/500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478). The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

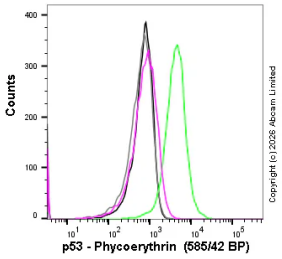
Flow Cytometry (Intracellular) staining of wild-type HAP1 cell line using rabbit Anti- antibody

Flow cytometry overlay histogram showing wild-type HAP1 (green line) and LDHB knockout HAP1 stained with ab210445 (magenta line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab210445) (1x 10^6 in 100µl at 0.008 µg/ml (1/62500)) for 30min at 22°C.

Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (black line) in HAP1 WT cells (black line) and HAP1-LDHB KO cells (grey line), used at the same concentration and conditions as the primary antibody.

Acquisition of >5000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



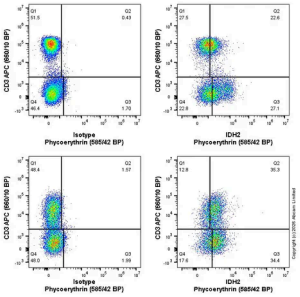
Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing wild-type HAP1 (green line) and TP53 knockout HAP1 stained with ab208992 (magenta line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab208992) (1x 106 in 100 µl at 0.008 µg/ml) for 30 min at 22°C.

Isotype control antibody Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) was used at the same concentration and conditions as the primary antibody (wild-type HAP1 - black line, TP53 knockout HAP1 - grey line). Unlabelled sample was also used as a control (this line is not shown for the purpose of simplicity).

Acquisition of >5000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

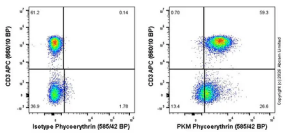
Flow Cytometry (Intracellular) staining of human peripheral mononuclear cells (PBMCs) using rabbit Anti- antibody

Flow cytometry scatter plots showing untreated human peripheral mononuclear cells (PBMCs) (top) and PBMCs activated with 5 µg/ml PHA for 18h (bottom), either stained with ab212122 (right) or isotype control (left). The cells were fixed using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab212122) (1x 10^6 in 100µl at 0.04 µg/ml (1/12500)) for 30min on ice. Isotype control antibody was Rabbit IgG

(monoclonal) Phycoerythrin Isotype Control (ab209478) - Isotype Control. The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



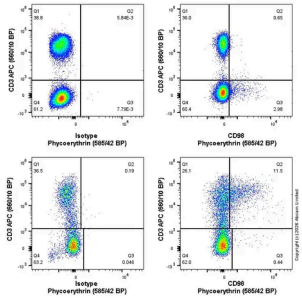
Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of human peripheral mononuclear cells (PBMCs) using rabbit Anti- antibody

Flow cytometry scatter plots showing human peripheral mononuclear cells (PBMCs), either stained with ab210448 (right) or isotype control (left). The cells were fixed and permeabilised using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab210448) (1x 10^6 in 100µl at 0.2 µg/ml (1/2500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478). The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



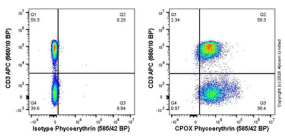
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human peripheral mononuclear cells using rabbit Anti- antibody

Flow cytometry scatter plots showing untreated human peripheral mononuclear cells (PBMCs) (top) and PBMCs activated with 5 µg/ml PHA for 18h (bottom), either stained with ab322668 (right) or isotype control (left). The cells were fixed using BD CytoFix™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab322668) (1x10^6 in 100µl at 0.04 µg/ml (1/12500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (left). The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.

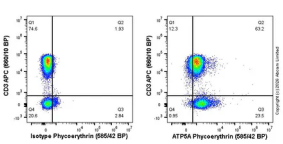


Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of flow cyt: hu pbmc using rabbit Anti- antibody

Flow cytometry scatter plots showing human peripheral mononuclear cells (PBMCs), either stained with ab326180 (right) or isotype control (left). The cells were fixed and permeabilised using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein

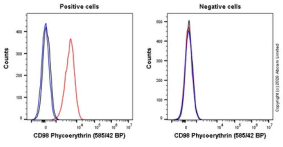
interaction followed by the antibody (ab326180) (1x 106 in 100µl at 0.2 µg/ml (1/2500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (left). The cells were simultaneously stained with CD3. Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of flow cyt: hu pbmc using rabbit Anti- antibody

Flow cytometry scatter plots showing human peripheral mononuclear cells (PBMCs), either stained with ab326920 (right) or isotype control (left). The cells were fixed and permeabilised using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab326920) (1x 106 in 100µl at 1 µg/ml (1/500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478). The cells were simultaneously stained with CD3. Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



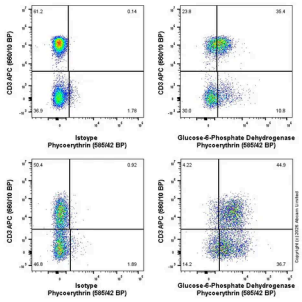
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing left wild-type HeLa positive cells and right negative SLC3A2 knockout HeLa stained with ab322668 (red line). The cells were incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab322668) (1x 10^6 in 100µl at 0.2 µg/ml (1/2500)) for 30min at 4°C.

Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (black line) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

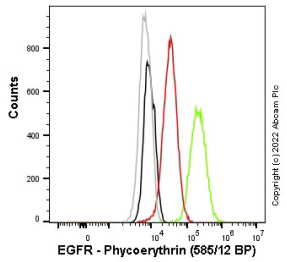
Acquisition of >5000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

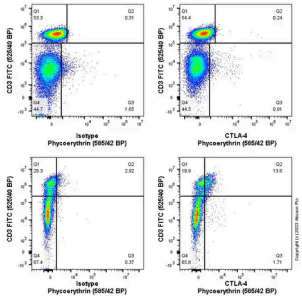
Flow Cytometry (Intracellular) staining of flow cyt: hu pbmc using rabbit Anti- antibody

Flow cytometry scatter plots showing untreated human peripheral mononuclear cells (PBMCs) (top) and PBMCs activated with 5 µg/ml PHA for 18h (bottom), either stained with ab326146 (right) or isotype control (left). The cells were fixed and permeabilised using BD CytoFix/CytoPerm™ (20 min). The cells were incubated in 1x PBS containing 10 µg/ml human IgG, 10% normal goat serum and BD Pharmingen™ MonoBlock™ Leukocyte Staining Buffer (1/10) to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab326146) (1x 106 in 100µl at 0.2 µg/ml (1/2500)) for 30min on ice. Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (left). The cells were simultaneously stained with CD3. Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.



Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody



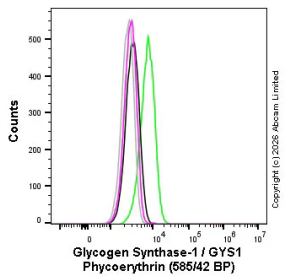
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMCs using rabbit Anti- antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) (top) or PBMCs treated with 10 µg/mL PHA for 48h (bottom), with ab313757 (right) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) (left). PBMCs were incubated for 30 min at 4°C in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab313757 or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) (1x 10^6 in 100 µl at 0.04 µg/ml (1/12500)) for 30 min at 4°C. The cells were simultaneously stained with CD3.

Acquisition of >30000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.

Events were gated on viable cells.

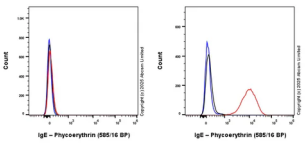


Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining of flow cyt: hela wt using rabbit Anti- antibody

Flow cytometry overlay histogram showing wild-type HeLa (green line) and GYS1 knockout HeLa stained with ab326128 (magenta line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by

the antibody (ab326128) (1x 106 in 100µl at 0.0016 µg/ml (1/312500)) for 30min at 22°C.Isotype control antibody was Rabbit IgG (monoclonal) Phycoerythrin Isotype Control (ab209478) (black line) in HeLa WT cells (black line) and HeLa-GYS1 KO cells (grey line), used at the same concentration and conditions as the primary antibody. Acquisition of >5000 events were collected using a 50 mW Yellow/Green laser (561nm) and 585/42 bandpass filter.This antibody gave a positive signal in wild-type HeLa fixed with 4% formaldehyde (10 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min under the same conditions.This data was acquired using a Beckman Coulter CytoFlexLX flow cytometer.

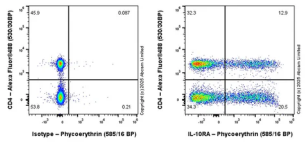


Flow Cytometry (Intracellular) - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Jurkat (human T cell leukemia T lymphocyte from peripheral blood, Left) / U266B1 (human multiple myeloma B lymphocyte, Right) cells labelling IgE with ab325781 at 1/5000 dilution (0.01ug) / Red compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Negative control: Jurkat.

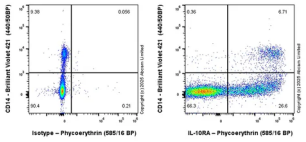


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling IL-10RA with ab325783 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were co-stained with CD4 conjugated to Alexa Fluor®488. Gated on viable lymphocyte.

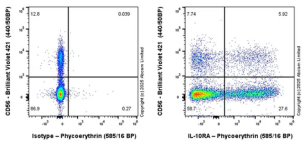


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling IL-10RA with ab325783 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were co-stained with CD14 conjugated to Brilliant Violet 421. Gated on viable cells.

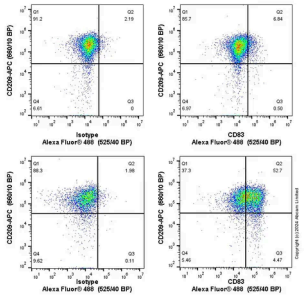


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling IL-10RA with ab325783 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were co-stained with CD56 conjugated to Brilliant Violet 421. Gated on viable lymphocyte.



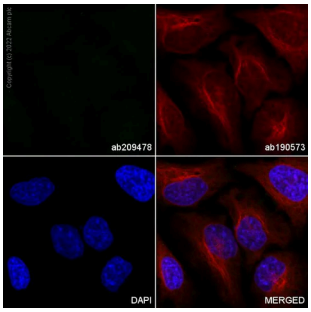
Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Monocytes-derived-dendritic cells using rabbit Anti- antibody

Flow cytometry staining of human monocyte-derived dendritic cells (top) or human monocyte-derived dendritic cells treated with LPS, 24 Hours, 100ng/mL (bottom), with ab275021 (right) or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) (left). Cells were incubated for 30 mins on ice in 1x PBS containing 10 µg/ml human IgG and 10 % normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab275021 or Rabbit IgG (monoclonal) Phycoerythrin (ab209478) (1x 10^6 in 100 µl at 0.2 µg/ml (1/2,500 dilution)) for 30 mins on ice. The cells were simultaneously stained with CD209.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 dilutionfor 30 mins on ice

Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter. Events were gated on live cells.

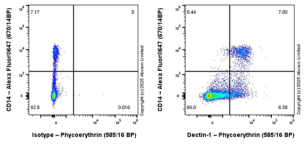


Immunocytochemistry/ Immunofluorescence - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Immunocytochemistry/ Immunofluorescence staining using rabbit Anti- antibody

Immunofluorescent analysis of HeLa (human cervical cancer) cells, fixed with 100% methanol (5 min). The cells were permeabilized with 0.1% Triton X-100 for 5 minutes and blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab209478 (Rabbit IgG, monoclonal [EPR25A] - Isotype Control) at 1/100 dilution (showing no signal) and ab190573, Rabbit monoclonal to Tubulin Microtubule Marker (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

This product also gave a positive outcome under the same testing conditions in HeLa cells fixed with 4% formaldehyde (10min).

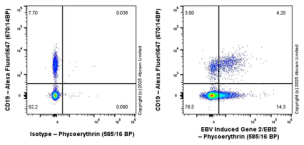


Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling Dectin-1 with ab325314 at 1/5000 dilution (0.01ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left.

Gated on viable cells. Cells are co-stained with CD14 conjugated to Alexa Fluor® 647.



Flow Cytometry - PE Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab209478)

Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti- antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling EBV Induced Gene 2/EBI2 with ab325228 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control.

Gated on viable cell.
Cells were co-stained with CD19 conjugated to Alexa Fluor®647.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.