abcam

ab223339

FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% 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

Application	ICC/IF
Reactivity	Reacts
Dilution info	-
Notes	-

Application	Flow Cyt (Intra)
Reactivity	Reacts
Dilution info	-
Notes	**Please note:** This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

KLH is often used in molecular immunology as a carrier protein conjugated to low molecular weight molecules such as peptides, amino acids, nucleic acids, drugs or toxins to render them more immunogenic due to the size of the conjugate complex and the immunogenicity of KLH.

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

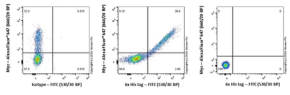
We do not recommend this combination. It is not covered by our product promise.

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.

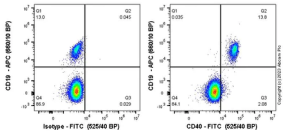
11 product images



Flow Cytometry (Intracellular) - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with HEK293T-Myc-His-hSNAI1 vector labeling 6X His tag® with ab318311 (middle panel) at 1.0µg/ml (1/500) compared with a Rabbit IgG [EPR25A] FITC (left panel) Gate is set between transfected and untransfected HEK-293T cells.

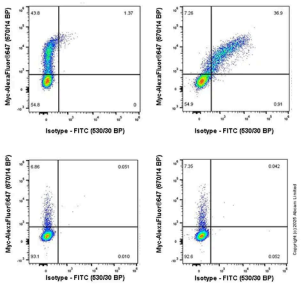


Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

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 ab314949 (right) or Rabbit IgG [EPR25A] FITC (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 ab314949 or Rabbit IgG [EPR25A] FITC (1x 10^6in 100 µl at 0.2 µg/ml (1/2500)) for 30min on ice. The cells were simultaneously stained with CD19.

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



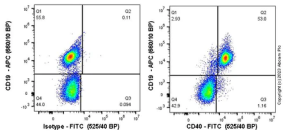
Flow Cytometry (Intracellular) - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometry staining of 293T cells transfected with a Red fluorescent protein expression vector containing a Myc-His-tag (upper right) / 293T cells transfected with an empty vector containing a Myc-His-tag (lower right) with ab323681 or 293T cells transfected with a Red fluorescent protein expression vector containing a Myc-His-tag (upper left) / 293T cells transfected with an empty vector containing a Myc-His-tag (lower left) with Rabbit IgG monoclonal [EPR25A] - Isotype Control (FITC) (ab223339). The cells were fixed with 4% formaldehyde (10 min) and then permeabilised with 90% methanol for 30 min. Cells were incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab323681) (1x 10^6 in 100µl at 1 µg/ml (1/500)) for 30min at 22°C.

Isotype control antibody Rabbit IgG monoclonal [EPR25A] - Isotype Control (FITC) (ab223339) was used at the same concentration and conditions as the primary antibody. The cells were simultaneously stained with Myc.

Acquisition of >5000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable cells.

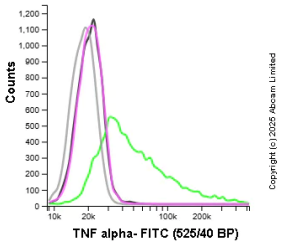


Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry staining of C57 BL/6 mouse splenocytes using rabbit Anti- antibody

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab314951 (right) or Rabbit IgG [EPR25A] FITC (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab314951 or Rabbit IgG [EPR25A] FITC (1x 10^6in 100 µl at 1.0 µg/ml (1/500)) for 30min on ice. The cells were simultaneously stained with CD19.

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



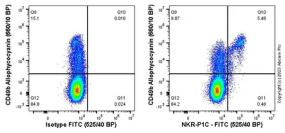
Flow Cytometry (Intracellular) - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing RAW264.7 treated with 100ng/ml LPS for 3h, then together with 300ng/ml BFA for another 3h (green line) or untreated RAW264.7 stained with ab323680 (magenta line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were incubated in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab323680) (1x 10^6 in 100µl at 1 µg/ml (1/500)) for 30min at 22°C.

Isotype control antibody Rabbit IgG [EPR25A] FITC was used at the same concentration and conditions as the primary antibody (RAW264.7 treated - black line, RAW264.7 untreated - 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 Blue laser (488nm) and 525/40 bandpass filter.

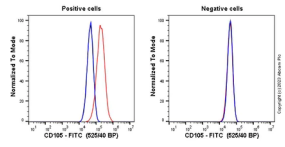


Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry staining of C57 BL/6 mouse splenocytes using rabbit Anti- antibody

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab315141 (right) or Rabbit IgG [EPR25A] FITC (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab315141 or Rabbit IgG [EPR25A] FITC (1x 10^6in 100 µl at 0.2 µg/ml (1/2500)) for 30min on ice. The cells were simultaneously stained with CD49b.

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



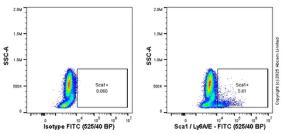
Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry staining using rabbit Anti- antibody

Flow cytometry overlay histogram showing left BEND.3 positive cells and right negative NIH/3T3 stained with ab314950 (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 (ab314950) (1x 10^6in 100µl at 1.0 µg/ml (1/500)) for 30min on ice.

Isotype control antibody (black line) was Rabbit IgG [EPR25A] FITC 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 Blue laser (488nm) and 525/40 bandpass filter.

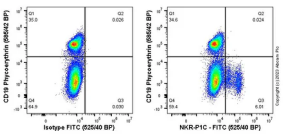


Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry staining of C57 BL/6 Mouse Bone Marrow cells using rabbit Anti- antibody

Flow cytometry staining of C57 BL/6 mouse bone marrow cells with ab323684 (right) or Rabbit IgG [EPR25A] FITC (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab323684 or Rabbit IgG [EPR25A] FITC (1x 10^6 in 100µl at 0.2 µg/ml (1/2500)) for 30min on ice.

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

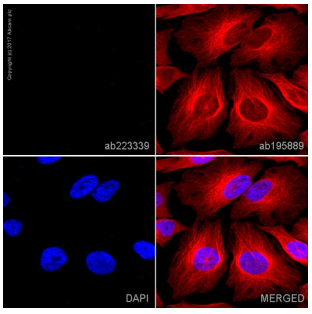


Flow Cytometry - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry staining of C57 BL/6 mouse splenocytes using rabbit Anti- antibody

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab315141 (right) or Rabbit IgG [EPR25A] FITC (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab315141 or Rabbit IgG [EPR25A] FITC (1x 10^6in 100 µl at 0.2 µg/ml (1/2500)) for 30min on ice. The cells were simultaneously stained with CD19.

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

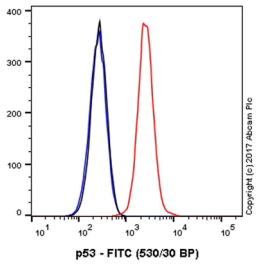


Immunocytochemistry/ Immunofluorescence - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Immunocytochemistry/ Immunofluorescence staining using rabbit Anti- antibody

Immunofluorescent analysis of HeLa (human cervical cancer) cells, fixed with 4% formaldehyde (10 min). The cells were permeabilized with 0.1% Triton X-100 for 5 minutes and then 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 ab223339 (Rabbit IgG, monoclonal [EPR25A] - Isotype Control (FITC)) at 1/100 dilution (showing no signal) and ab195889, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 1/250 dilution (**pseudocolored 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 signal under the same testing conditions in HeLa cells fixed with 100% methanol (5min)



Flow Cytometry (Intracellular) - FITC Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab223339)

Flow Cytometry (Intracellular) staining using rabbit Anti- antibody

Overlay histogram showing HeLa cells stained with ab139565 (red line). The cells were fixed with 4% formaldehyde (10 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 (ab139565, 1/50 dilution) for 30 min at 22°C.
Isotype control antibody (black line) was rabbit IgG (monoclonal) [EPR25A] FITC (ab223339) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter.

This antibody gave a positive signal in HeLa cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.

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