abcam

ab245121

Anti-CLEC9A antibody [EPR22324] - BSA and Azide free

Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121) is a rabbit recombinant monoclonal antibody provided in a PBS only buffer for easy conjugation detecting CLEC9A in **Flow Cytometry, IHC-P**. Suitable for **Human**.

- BSA, sodium azide, and glycerol-free for easy conjugation
- Biophysical QC for unrivalled batch-batch consistency

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR22324
Purification technique	Affinity purification Protein A
Concentration	1.058 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

WB

Not recommended

Species	Human
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information CLEC9A

Function	Functions as an endocytic receptor on a small subset of myeloid cells specialized for the uptake and processing of material from dead cells. Recognizes filamentous form of actin in association with particular actin-binding domains of cytoskeletal proteins, including spectrin, exposed when cell membranes are damaged, and mediate the cross-presentation of dead-cell associated antigens in a Syk-dependent manner.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

What is this antibody validated in?
Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121) is a rabbit recombinant monoclonal antibody and is validated for use in Flow Cytometry (Flow Cyt), Immunohistochemistry (IHC-P) in Human samples.

Other related products
We have a range of other formats of antibody clone [EPR22324] also available for your convenience: ab223188, Carrier free - ab245121, Alexa Fluor® 555 - ab313594, Alexa Fluor® 647 - ab315359

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide

and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

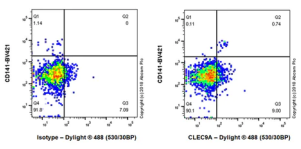
We do not recommend this combination. It is not covered by our product promise.

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.

5 product images



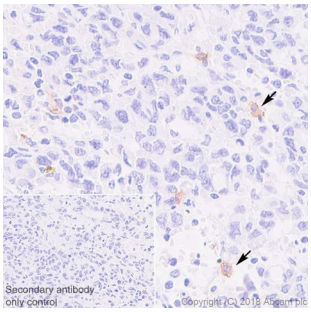
Flow Cytometry - Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121)

CLEC9A Flow Cytometry staining using rabbit Anti-CLEC9A antibody

Flow cytometric analysis of Human peripheral blood mononuclear cell (PBMC) cells labeling CLEC9A with ab223188 at 1/50 dilution. Cells were stained with Rabbit monoclonal IgG (ab172730) (Left) or ab223188 (Right). Then stained with Alexa Fluor® 647-conjugated anti-CD3, PE conjugated

anti-HLA-DR and BV421 conjugated anti-CD141. Data shown was firstly gated out lymphocytes, then gated on viable CD3(-) HLA-DR (+) APC cells.
CLEC9A is selectively expressed on CD141+DC cells (Q2, ~0.05% in PBMC) and expression pattern was described in literature. (PMID:20479116).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab223188).



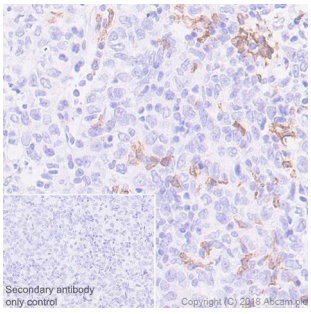
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121)

CLEC9A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CLEC9A antibody

Immunohistochemical analysis of paraffin-embedded human gastric cancer tissue labeling CLEC9A with ab223188 at 1/1000 dilution, followed Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining on dendritic cells (arrows) of human gastric cancer (PMID: 18408006; PMID: 20479116) is observed. Counterstained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab223188).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



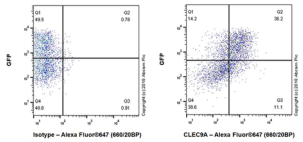
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121)

CLEC9A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CLEC9A antibody

Immunohistochemical analysis of paraffin-embedded human thyoma tissue labeling CLEC9A with ab223188 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous staining on dendritic cells of human thymoma (PMID: 18408006; PMID: 20479116) is observed. Counterstained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab223188).

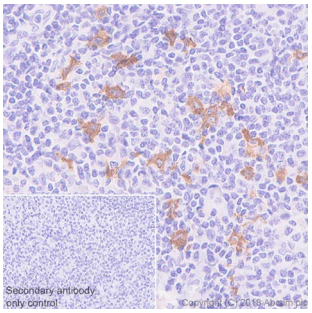
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry - Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121)

CLEC9A Flow Cytometry staining using rabbit Anti-CLEC9A antibody

Flow cytometric analysis of HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with GFP-tagged CLEC9A overexpression construct, labeling CLEC9A with ab223188 at 1/500 dilution (Right) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (Left). Goat anti rabbit IgG (Alexa Fluor® 647, ab150079) was used as the secondary antibody at 1/2000 dilution. Gated on viable cells.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab223188).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC9A antibody [EPR22324] - BSA and Azide free (ab245121)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CLEC9A with ab223188 at 1/1000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB Ready to use (ab209101). Positive staining on dendritic cells of human tonsil (PMID: 18408006; PMID: 20479116) is observed. Counterstained with hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB Ready to use (ab209101).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab223188).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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