

Product datasheet

Anti-CLEC9A antibody [EPR22324] ab223188

Recombinant **RabMAb**

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Overview

Product name	Anti-CLEC9A antibody [EPR22324]
Description	Rabbit monoclonal [EPR22324] to CLEC9A
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Flow Cyt Unsuitable for: ICC/IF, IP or WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil, thymoma and gastric cancer tissues. Flow Cyt: Human peripheral blood mononuclear cell (PBMC) and HEK-293T transfected with GFP-tagged CLEC9A overexpression construct cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22324
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab223188 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		1/50.

Application notes Is unsuitable for ICC/IF,IP or WB.

Target

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.

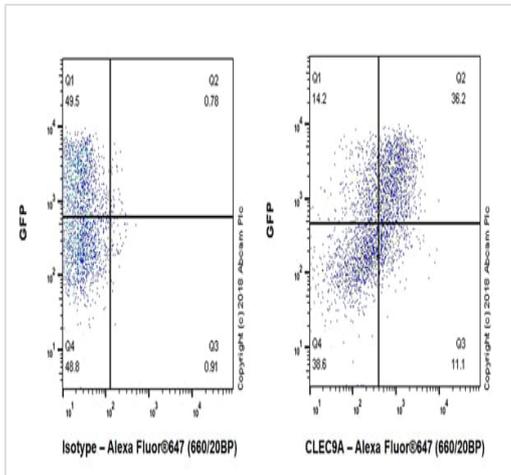
Tissue specificity In peripheral blood highly restricted on the surface of BDCA31(+) dendritic cells and on a small subset of CD14(+) and CD16(-) monocytes.

Sequence similarities Contains 1 C-type lectin domain.

Post-translational modifications N-glycosylated.

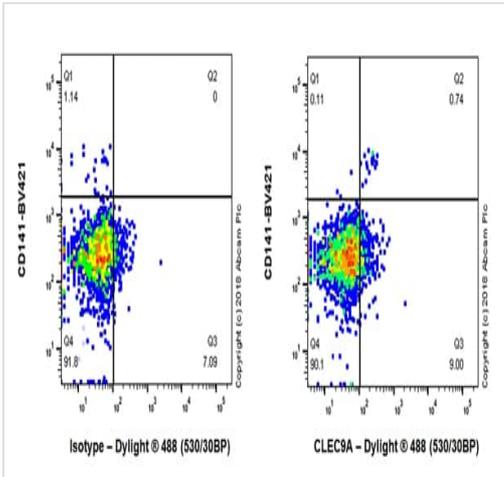
Cellular localization Membrane.

Images



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.

Flow Cytometry - Anti-CLEC9A antibody [EPR22324] (ab223188)

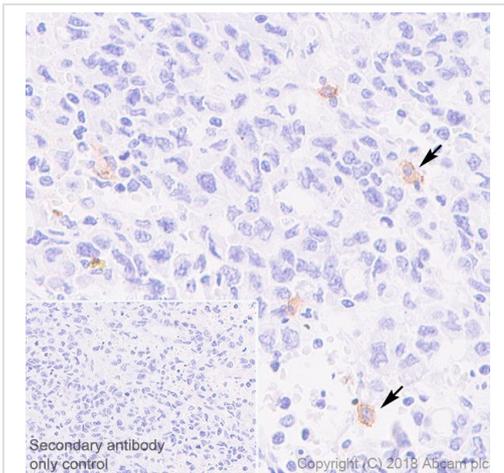


Flow Cytometry - Anti-CLEC9A antibody

[EPR22324] (ab223188)

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).



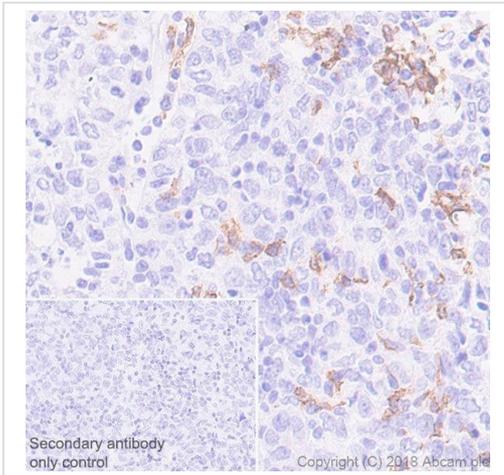
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC9A antibody

[EPR22324] (ab223188)

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.

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

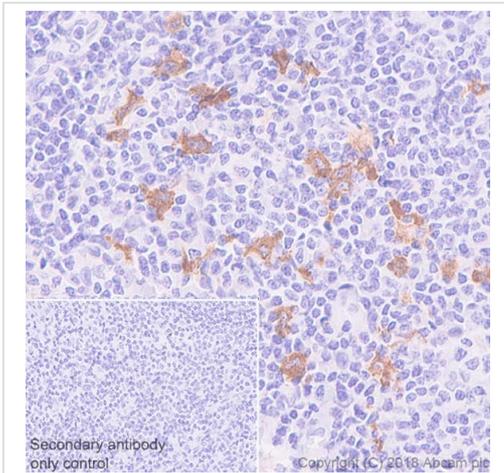


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC9A antibody [EPR22324] (ab223188)

Immunohistochemical analysis of paraffin-embedded human thymoma 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.

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] (ab223188)

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**).

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-CLEC9A antibody [EPR22324] (ab223188)

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