

Product datasheet

Anti-CLEC5A antibody ab203200

[2 Images](#)

Overview

Product name	Anti-CLEC5A antibody
Description	Rabbit polyclonal to CLEC5A
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Mouse CLEC5A aa 90-130 conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Sequence: S ESPWKDSMDY CATQGSTLAI VNTPEKLYL QDIAGIENYF Database link: Q9R007
	Run BLAST with Run BLAST with
Positive control	Human colon carcinoma tissue; U937 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	Preservative: 0.09% Sodium azide Constituents: 0.01% BSA, 50% Glycerol
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab203200** 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
Flow Cyt		1/20 - 1/100. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use at 1/50 - 1/200 with fluorescent detection methods.
WB		1/100 - 1/1000. Predicted molecular weight: 22 kDa.

Target

Function

Functions as a positive regulator of osteoclastogenesis. Cell surface receptor that signals via TYROBP. Regulates inflammatory responses. Acts as a key regulator of synovial injury and bone erosion during autoimmune joint inflammation (By similarity). Critical macrophage receptor for dengue virus serotypes 1-4. The binding of dengue virus to CLEC5A triggers signaling through the phosphorylation of TYROBP, this interaction does not result in viral entry, but stimulates proinflammatory cytokine release.

Tissue specificity

Expressed in peripheral blood monocytes and in the monocyte/macrophage cell lines U-937 and Mono-Mac-6, but not in cell lines of other origins. Expression is down-regulated when monocytes differentiate into dendritic cells.

Sequence similarities

Contains 1 C-type lectin domain.

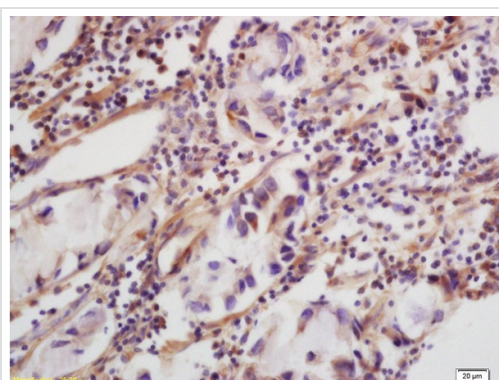
Post-translational modifications

N-glycosylated. Contains sialic acid residues.

Cellular localization

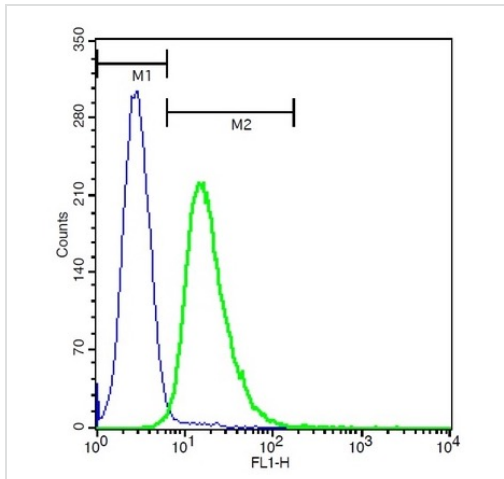
Cell membrane.

Images



Immunohistochemical analysis of formalin-fixed paraffin-embedded Human colon carcinoma tissue labeling CLEC5A with [ab203200](#) at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CLEC5A antibody ([ab203200](#))



Flow Cytometry - Anti-CLEC5A antibody (ab203200)

Flow Cytometric analysis of U937 cells labeling CLEC5A using ab203200 at 1/50 dilution (green) followed by a FITC conjugated secondary, compared to control cells (blue).

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