

CLEC5A Rabbit pAb

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Catalog # AP58046

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9R007
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21696
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse CLEC5A
Epitope Specificity	101-190/190
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Single-pass type II membrane protein.
DISEASE	Note=Involved in the pathogenetic mechanisms of Japanese encephalitis virus (JEV) infection of the brain. JEV infection of young mice results in increased expression of CLEC5A in spleen and brain with consequent activation of proinflammatory cytokines secretion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type II transmembrane protein interacts with dnax-activation protein 12 and may play a role in cell activation. Alternative splice variants have been described but their full-length sequence has not been determined. [provided by RefSeq].

Additional Information

Gene ID	23845
Other Names	C-type lectin domain family 5 member A, C-type lectin superfamily member 5, Myeloid DAP12-associating lectin 1, MDL-1, Clec5a, Clecsf5, Mdl1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

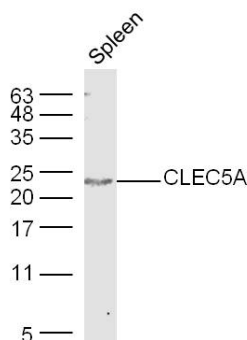
Protein Information

Name	Clec5a
Synonyms	Clecsf5, Mdl1
Function	Functions as a positive regulator of osteoclastogenesis (PubMed: 19251634). Cell surface receptor that signals via TYROBP (PubMed: 10449773). Regulates inflammatory responses (PubMed: 20212065).
Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Strong expression in bone marrow cells and thioglycollate-induced neutrophils (at protein level) (PubMed:19074552). Expressed on granulocytes and monocytes from bone marrow and peripheral blood (PubMed:20212065). Expressed in macrophage cell line J-774, but not in T-cell lines, B-cell lines, or mast cell lines (PubMed:10449773).

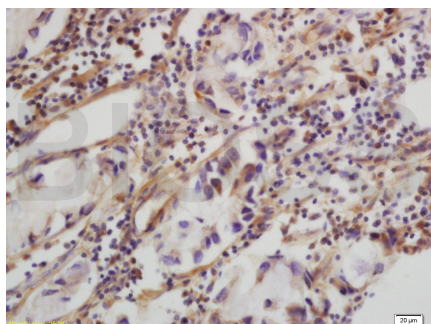
Background

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Images

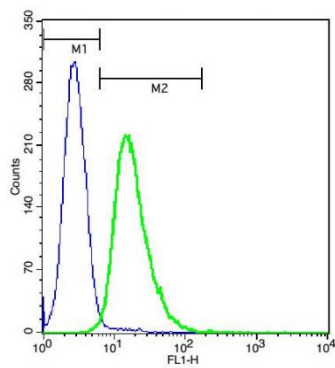


Sample: Spleen (Mouse) Lysate at 40 ug
Primary: Anti-CLEC5A(AP58046) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 22 kD
Observed band size: 22 kD



Tissue/cell: human colon carcinoma; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CLEC5A/MDL1 Polyclonal Antibody, Unconjugated(AP58046) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Cell: U937.
Concentration: 1:100.
Incubation: 40 minutes, room temperature.
Host/Blank: U937 cells.



Flow cytometric analysis of Rabbit Anti-CLEC5A antibody (AP58046) (green) compared with control in the absence of primary antibody (blue) followed by U937 cells.

secondary antibody: Goat Anti-rabbit IgG/FITC antibody (bs-0295G-FITC)

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