



Rabbit Anti-SIGLEC1 antibody

SL0794R

Product Name SIGLEC1**Chinese Name** CD169 抗体**Alias** CD 169; CD-169; dJ1009E24.1; DKFZp667F058; FLJ00051; FLJ00055; FLJ00073; FLJ00411; FLJ32150; Sialic acid binding Ig like lectin 1; Sialic acid binding immunoglobulin like lectin 1; Siglec 1; SN; sialoadhesin; SN_HUMAN.**Research Area** immunology Microbiology b-lymphocyte**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** Human, Mouse, (predicted: Rat,)**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 186kDa**Cellular localization** The cell membrane Secretory protein**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human SIGLEC1: 51-150/1694 <Extracellular>**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a lectin-like adhesion molecule that binds glycoconjugate ligands on cell surfaces in a sialic acid-dependent manner. It is a type I transmembrane protein expressed only by a subpopulation of macrophages and is involved in mediating cell-cell interactions. Alternative splicing produces a transcript variant encoding an isoform that is soluble rather than membrane-bound; however, the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008].

Function:

Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid. Binds to SPN/CD43 on T-cells. May play a role in hemopoiesis.

Subunit:

Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted.

Subcellular Location:

Expressed by macrophages in various tissues. High levels are found in spleen, lymph node, perivascular macrophages in brain and lower levels in bone marrow, liver Kupffer cells and lamina propria of colon and lung. Also expressed by inflammatory macrophages in rheumatoid arthritis.

Product Detail

Similarity:

Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 16 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

Q9BZZ2

Gene ID:

6614

Database links:

[Entrez Gene: 6614](#) Human

[Entrez Gene: 20612](#) Mouse

[Omim: 600751](#) Human

[SwissProt: Q9BZZ2](#) Human

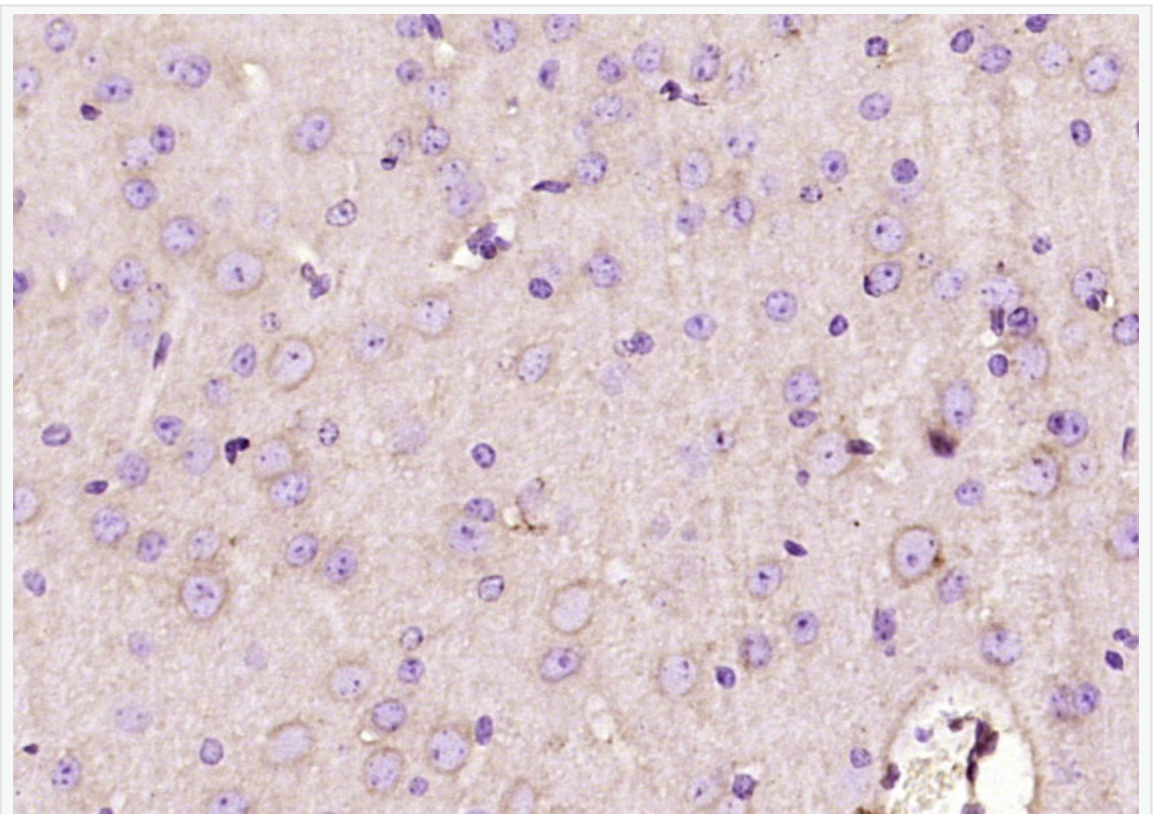
[SwissProt: Q62230](#) Mouse

[Unigene: 31869](#) Human

[Unigene: 1374](#) Mouse

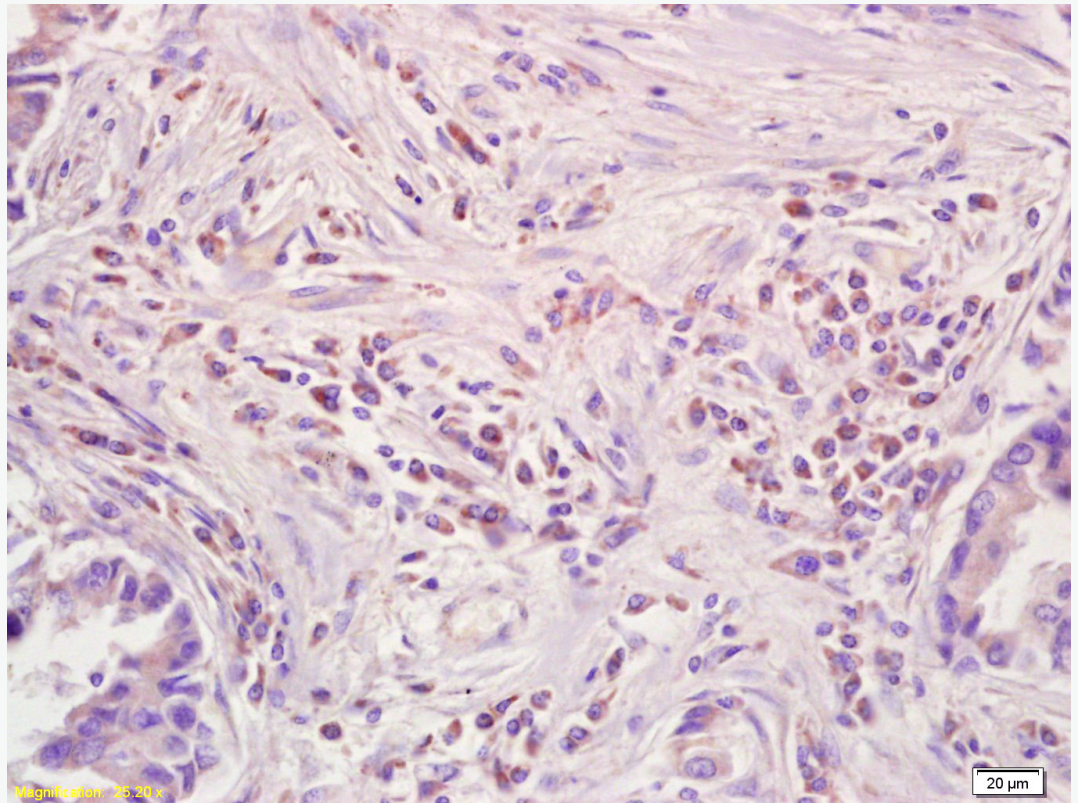
CD169, 又称 sialoadhesin (Sn) 或 Siglee-1, 这是一种 200kDa 的 I 型跨膜 glycoprotein, 由炎症巨噬细胞特异性表达, 在细胞-细胞或细胞-基质的相互作用中发挥主要作用。可识别乳腺癌细胞的 MUC1 (CD227) 和 T 细胞的 CD43。CD169 在脾、淋巴结、骨髓的基质巨噬细胞上表达最强, 在肝、肠、肺的长驻巨噬细胞上中等表达, 慢性炎组织的巨噬细胞, 例如类风湿性滑膜、动脉粥样硬化性斑块, 也强烈表达 CD169。

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for

30min; Antibody incubation with (Sialoadhesin) Polyclonal Antibody, Unconjugated (SL0794R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, 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-CD169/sialoadhesin Polyclonal Antibody, Unconjugated(SL0794R)



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1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining