



# CD169 Polyclonal Antibody

<b>Catalog No</b>	BYab-14020
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SIGLEC1
<b>Protein Name</b>	Sialoadhesin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human SIGLEC1. AA range:1321-1370
<b>Specificity</b>	CD169 Polyclonal Antibody detects endogenous levels of CD169 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SIGLEC1; SN; Sialoadhesin; Sialic acid-binding Ig-like lectin 1; Siglec-1; CD169
<b>Observed Band</b>	190kD
<b>Cell Pathway</b>	[Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.
<b>Tissue Specificity</b>	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.
<b>Function</b>	alternative products:Additional isoforms seem to exist,function: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 (By similarity). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis.,online information:Siglec-1,similarity:Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like)

**Nanjing BYabscience technology Co.,Ltd**



domain.,similarity:Contains 16 Ig-like C2-type (immunoglobulin-like)  
domains.,tissue specificity: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. A

**Background**

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],

**matters needing attention**

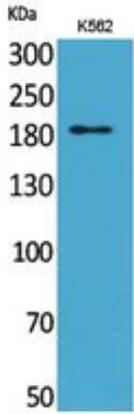
Avoid repeated freezing and thawing!

**Usage suggestions**

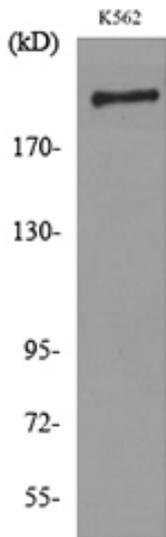
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of K562 cells using CD169 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from K562 cells, using SIGLEC1 Antibody.