



# CD169 Monoclonal Antibody

|                    |   |
|--------------------|---|
| Catalog No         | BYmab-14020   |
| Isotype            | IgG   |
| Reactivity         | Human;Rat;Mouse;  |
| Applications       | WB  |
| Gene Name          | SIGLEC1   |
| Protein Name       | Sialoadhesin  |
| Immunogen          | The antiserum was produced against synthesized peptide derived from the Internal region of human SIGLEC1. AA range:1321-1370  |
| Specificity        | CD169 Monoclonal Antibody detects endogenous levels of CD169 protein.   |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| Source             | Monoclonal, Mouse,IgG   |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Dilution           | WB 1:500-2000   |
| Concentration      | 1 mg/ml   |
| Purity             | ≥90%  |
| Storage Stability  | -20°C/1 year  |
| Synonyms           | SIGLEC1; SN; Sialoadhesin; Sialic acid-binding Ig-like lectin 1; Siglec-1; CD169  |
| Observed Band      | 190kD   |
| Cell Pathway       | [Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.  |
| 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. Also expressed by inflammatory macrophages in rheumatoid arthritis.  |
| Function           | 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) domain.,similarity:Contains 16 Ig-like C2-type (immunoglobulin-like) |

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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],

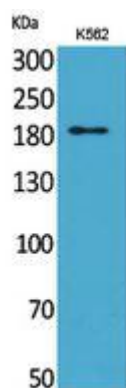
#### matters needing attention

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 various cells using CD169 Monoclonal Antibody