



CD328 Monoclonal Antibody

Catalog No	YP-mAb-14009
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SIGLEC7
Protein Name	Sialic acid-binding Ig-like lectin 7
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human SIGLEC7. AA range:51-100
Specificity	CD328 Monoclonal Antibody detects endogenous levels of CD328 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SIGLEC7; AIRM1; Sialic acid-binding Ig-like lectin 7; Siglec-7; Adhesion inhibitory receptor molecule 1; AIRM-1; CDw328; D-siglec; QA79 membrane protein; p75; CD328
Observed Band	51kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Predominantly expressed by resting and activated natural killer cells and at lower levels by granulocytes and monocytes. High expression found in placenta, liver, lung, spleen, and peripheral blood leukocytes.
Function	domain:Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.,function:Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraosylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dep



Background

domain: Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.,function: Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraosylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34+ cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro).,online information: Siglec-7,PTM: Tyrosine phosphorylated.,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 2 Ig-like C2-type (immunoglobulin-like) domains.,subunit: Interacts with PTPN6/SHP-1 upon phosphorylation.,tissue specificity: Predominantly expressed by resting and activated natural killer cells and at lower levels by granulocytes and monocytes. High expression found in placenta, liver, lung, spleen, and peripheral blood leukocytes.,

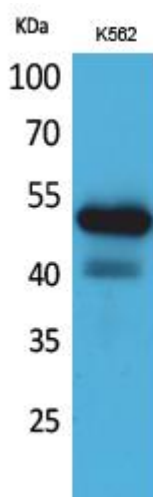
matters needing attention

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 CD328 Monoclonal Antibody