

Siglec-5/14 Polyclonal Antibody

Catalog No :	YT5270
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Siglec-5/14
Gene Name :	SIGLEC5/SIGLEC14
Protein Name :	Sialic acid-binding Ig-like lectin 5/Sialic acid-binding Ig-like lectin 14
Human Gene Id :	8778
Human Swiss Prot No :	O15389
Mouse Swiss Prot No :	Q920G3
Immunogen :	Synthesized peptide derived from Sialic acid-binding Ig-like lectin 5/Sialic acid-binding Ig-like lectin 14 at AA range: 91-140
Specificity :	Siglec-5/14 Polyclonal Antibody detects endogenous levels of Siglec-5/14 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	60kD

Background : This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion. [provided by RefSeq, Feb 2012],

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. Binds equally to alpha-2,3-linked and alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.,online information:Siglec-5,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.,tissue specificity:Expressed by monocytic/myeloid lineage cells. Found at high I

Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Expressed by monocytic/myeloid lineage cells. Found at high levels in peripheral blood leukocytes, spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. Expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation.

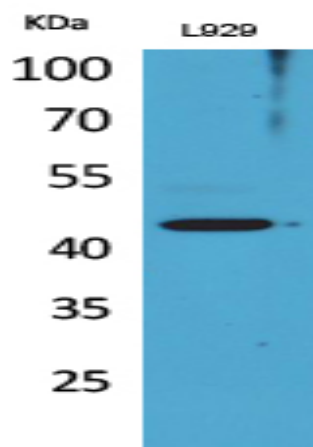
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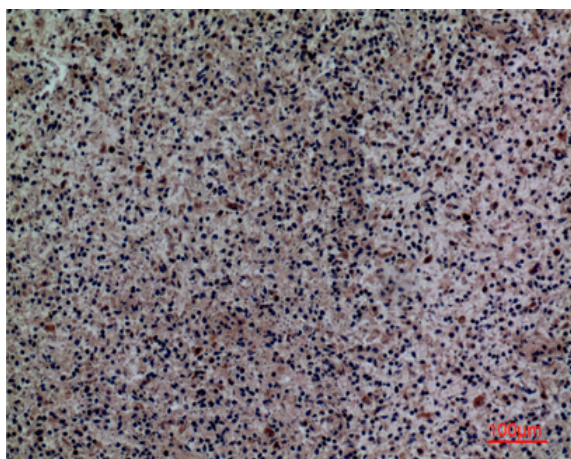
Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of L929 cells using Siglec-5/14 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human spleen, antibody was diluted at 1:100