Datasheet for ABIN5534705

anti-SIGLEC5 antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	SIGLEC5
Binding Specificity:	AA 482-513, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIGLEC5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SIGLEC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 482-513 amino acids from the C-terminal region of human SIGLEC5.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SIGLEC5
Alternative Name:	SIGLEC5 (SIGLEC5 Products)
Background:	SIGLECs are members of the immunoglobulin superfamily that are expressed on the cell surface. Most SIGLECs have one or more cytoplasmic immune receptor tyrosine-based inhibitory motifs (ITIM). SIGLECs are typically expressed on cells of the innate immune system,

Target Details

	with the exception of the B-cell expressed SIGLEC6. Sequence analysis predicted that the 697-amino acid SIGLEC10 protein contains a signal peptide, an N-terminal V-set Ig-like domain and four C2-set Ig-like domains, five potential N-linked glycosylation sites, a transmembrane region, and a 126-residue cytoplasmic tail with 3 putative ITIMs. Northern blot analysis detected a major 3.0-kb SIGLEC10 transcript, with highest levels in spleen, lymph node, blood leukocytes, and appendix. Little or no expression was observed in pancreas, thyroid, and testis. Flow cytometric analysis demonstrated eosinophil-specific expression of SIGLEC10, but at a lower level than that of SIGLEC8. Expression was also detected on monocytes and a CD16-positive/CD56-negative natural killer-like lymphocyte population. After sialidase treatment, which is necessary for unmasking the sialic acid-binding site on SIGLECs interacting with cell surface sialic acids, cells expressing SIGLEC10 bound to red blood cells. Immunoprecipitation analysis indicated expression of a 100- to 120-kD monomeric protein, higher than the predicted molecular mass, suggesting that SIGLEC10 is glycosylated.
Molecular Weight:	61 kDa
Gene ID:	8778
UniProt:	O15389

Application Details

Application Notes:	For WB starting dilution is: 1:1000
Restrictions:	For Research Use only

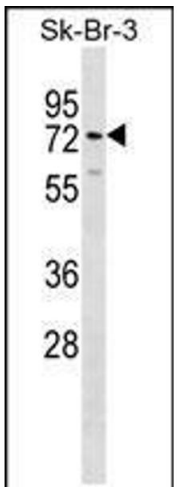
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to

Handling

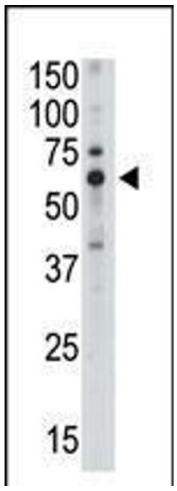
prolonged high temperatures.

Images



Western Blotting

Image 1. Western blot analysis in SK-BR-3 cell line lysates (35ug/lane).



Western Blotting

Image 2. Antibody is used in Western blot to detect Siglec5 in mouse liver tissue lysate.