



# Rabbit Anti-Human SIGLEC7 Polyclonal Antibody (CABT-L2152)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Sialic Acid Binding Ig Like Lectin 7 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against SIGLEC7. It has been selected for its ability to recognize SIGLEC7 in immunohistochemical staining and western blotting.
<b>Target</b>	SIGLEC7
<b>Immunogen</b>	Recombinant fragment corresponding to human SIGLEC7 (Gly18~leu353)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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).
<b>Keywords</b>	CDw328;CD328;p75;AIMR1;D-Siglec;QA79;SIGLEC-7;P75/AIMR1;Adhesion inhibitory receptor molecule 1;QA79 membrane protein

## GENE INFORMATION

<b>Gene Name</b>	SIGLEC7 sialic acid binding Ig-like lectin 7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SIGLEC7
<b>Synonyms</b>	SIGLEC7; sialic acid binding Ig-like lectin 7; p75; QA79; AIMR1; CD328; CDw328; D-siglec; SIGLEC-7; SIGLECP2; SIGLEC19P; p75/AIMR1; sialic acid-binding Ig-like lectin 7; AIMR-1; QA79 membrane protein; sialic acid binding immunoglobulin-like lectin 7; adhesion inhibitory receptor molecule 1, siglec-7;
<b>Entrez Gene ID</b>	<a href="#">27036</a>
<b>Protein Refseq</b>	NP_001264130
<b>UniProt ID</b>	<a href="#">Q9Y286</a>
<b>Chromosome Location</b>	19q13.3
<b>Function</b>	carbohydrate binding; receptor activity;