

Datasheet for ABIN2856478

anti-SIGLEC7 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SIGLEC7
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIGLEC7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Siglec 7. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Siglec 7 (sialic acid binding Ig-like lectin 7) Siglec 7 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SIGLEC7
Alternative Name:	sialic acid binding Ig like lectin 7 (SIGLEC7 Products)

Target Details

Background:	<p>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).</p> <p>Cellular Localization: Membrane, Single-pass type I membrane protein</p>
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Molecular Weight:	51 kDa
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Gene ID:	27036
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UniProt:	Q9Y286
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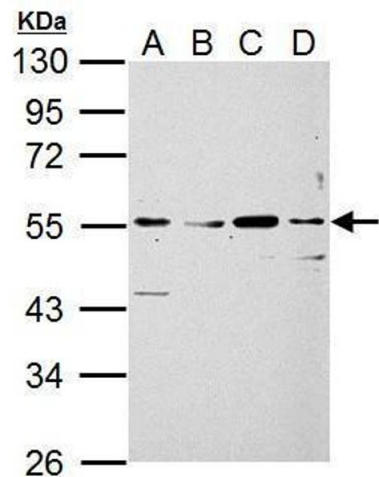
Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: K562 , THP-1 , HL-60 , NCI-H929
Restrictions:	For Research Use only

Handling

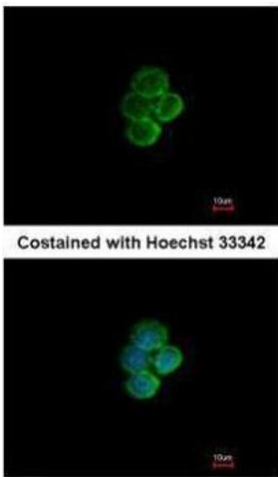
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



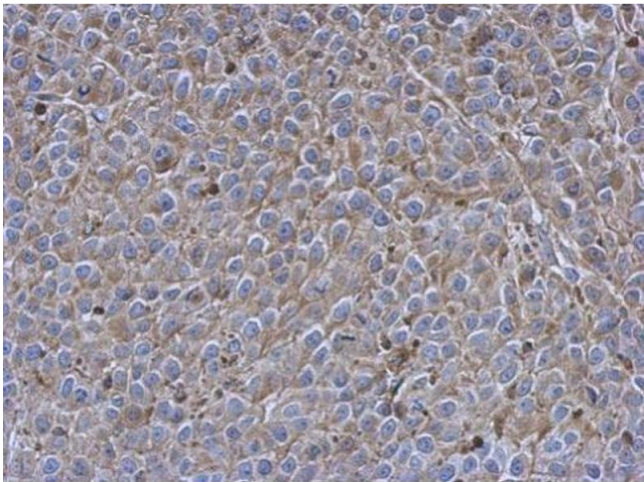
Western Blotting

Image 1. WB Image Siglec 7 antibody detects Siglec 7 protein by Western blot analysis. A. 30 µg K562 whole cell lysate/extract B. 30 µg THP-1 whole cell lysate/extract C. 30 µg HL-60 whole cell lysate/extract D. 30 µg NCI-H929 whole cell lysate/extract 10% SDS-PAGE Siglec 7 antibody , dilution: 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of methanol-fixed A431, using Siglec 7, antibody at 1:200 dilution.



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded Hela xenograft, using Siglec 7, antibody at 1:500 dilution.