Datasheet for ABIN676958

anti-CD33 antibody (AA 261-364)

3 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	CD33
Binding Specificity:	AA 261-364
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD33 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD33
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)

Target Details

Background:	Synonyms: p67, SIGLEC3, SIGLEC-3, Myeloid cell surface antigen CD33, Sialic acid-binding Ig-like lectin 3, gp67, CD33 Background: Putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. Preferentially binds to 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. 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. Induces apoptosis in acute myeloid leukemia (in vitro).
Gene ID:	945
UniProt:	P20138

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

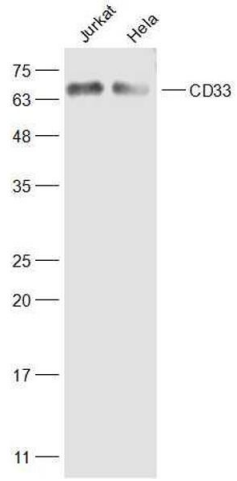
Handling

Expiry Date:	12 months

Publications

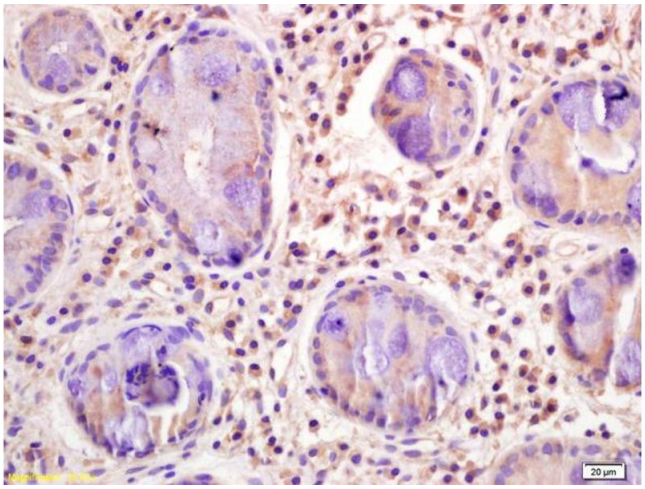
Product cited in:	Shi, Jiang, Li, Shan, Li, An, Yang, Xu: "Sodium selenite alters microtubule assembly and induces apoptosis in vitro and in vivo." in: **Journal of hematology & oncology**, Vol. 6, Issue 1, pp. 7, (2013) (PubMed). An, Shi, Wei, Hua, Ci, Jiang, Li, Wu, Hui, Yang, Xu: "The ROS/JNK/ATF2 pathway mediates selenite-induced leukemia NB4 cell cycle arrest and apoptosis in vitro and in vivo." in: **Cell death & disease**, Vol. 4, pp. e973, (2013) (PubMed).

Images



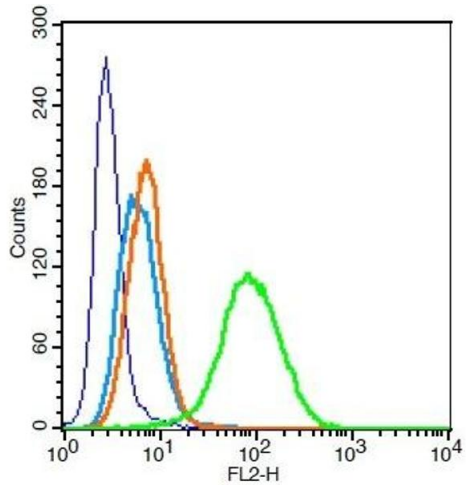
Western Blotting

Image 1. Lane 1: Jurkat lysates Lane 2: Hela lysates probed with CD33 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4˚C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37˚C.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti CD33/Siglec-3 Polyclonal Antibody, Unconjugated (ABIN676958) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 3. Human U937 cells probed with CD33 Polyclonal Antibody, Unconjugated at 0.2ug for 30 minutes followed by incubation with a PE Conjugated secondary (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).