

Datasheet for ABIN1540002
anti-CD33 antibody (AA 337-364)



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2 Images

Overview

Quantity:	400 µL
Target:	CD33
Binding Specificity:	AA 337-364
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This CD33 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 337-364 amino acids from human CD33.
Clone:	574CT16-4-4
Isotype:	IgM
Purification:	This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)
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

Target Details

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).

Molecular Weight: 39825

Gene ID: 945

NCBI Accession: [NP_001076087](#), [NP_001171079](#), [NP_001763](#)

UniProt: [P20138](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:100~500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

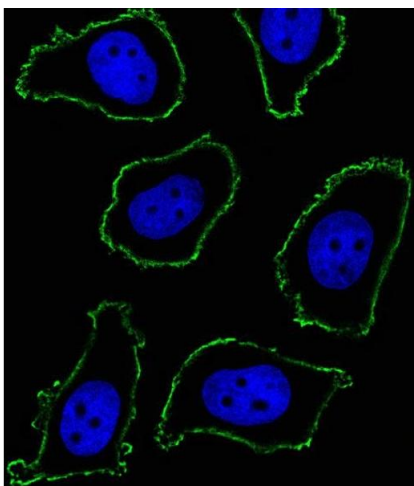
Preservative: Sodium azide

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

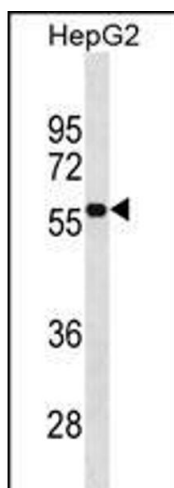
Storage Comment: CD33 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Immunofluorescence

Image 1. Fluorescent image of A549 cell stained with CD33 Antibody (ABIN1540002 and ABIN2843889)/SM120504AC. A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with CD33 primary antibody (1:25, 1 h at 37 °C. For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37 °C. Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). CD33 immunoreactivity is localized to Membrane significantly.



Western Blotting

Image 2. CD33 Antibody (ABIN1540002 and ABIN2843889) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the CD33 antibody detected the CD33 protein (arrow).