

Datasheet for ABIN1724813
anti-CD33 antibody (AA 15-237)



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6 Images

2 Publications

Overview

Quantity:	100 µL
Target:	CD33
Binding Specificity:	AA 15-237
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD33 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	CD33 Antibody
Immunogen:	Purified recombinant fragment of human CD33 (AA: 15-237) expressed in E. Coli.
Clone:	2C6B7
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)
Background:	Description: The protein encoded by this gene belongs to putative adhesion molecule of

Target Details

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) and CD33 plays potential key roles in the pathogenesis of Alzheimer's disease (AD)
Aliases: p67, SIGLEC3, SIGLEC-3

Molecular Weight: 39.8kDa

Gene ID: 945

HGNC: 945

UniProt: [P20138](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % 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

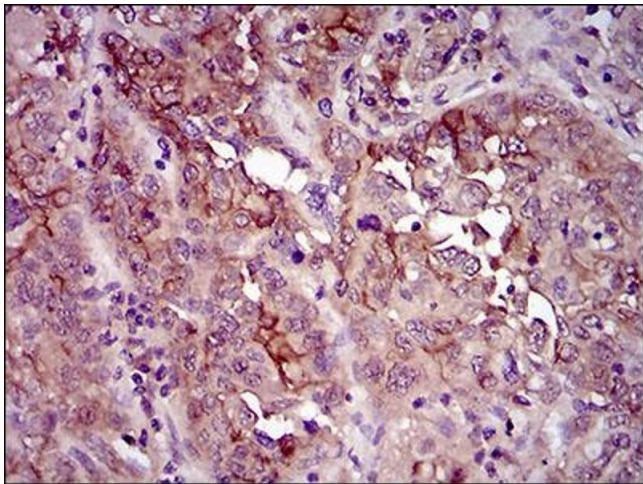
Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: Deng, Liu, Wang, Tang, Ren, Xu, Ma, Wang, Zhuang, Wang, Chen: "The prevalence of CD33 and MS4A6A variant in Chinese Han population with Alzheimer's disease." in: **Human genetics**, Vol. 131, Issue 7, pp. 1245-9, (2012) ([PubMed](#)).

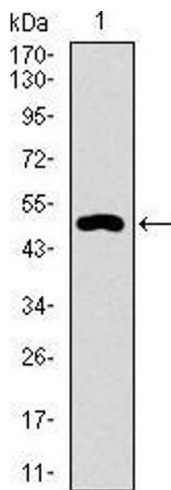
Schubert, Kellner, Stein, Kügler, Schwenkert, Saul, Mentz, Singer, Stockmeyer, Hillen, Mackensen, Fey: "A single-chain triplebody with specificity for CD19 and CD33 mediates effective lysis of mixed lineage leukemia cells by dual targeting." in: **mAbs**, Vol. 3, Issue 1, pp. 21-30, (2011) ([PubMed](#)).

Images



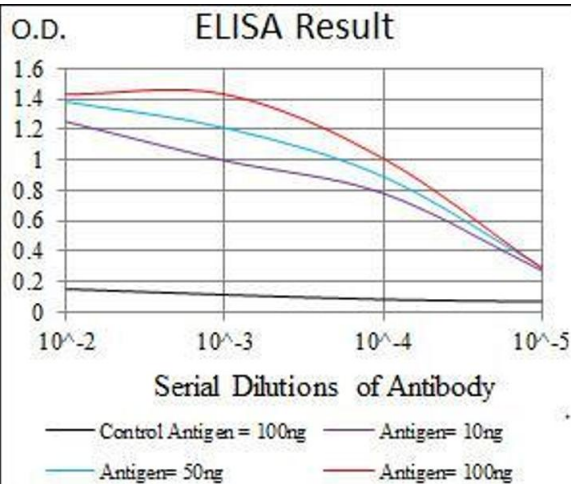
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded endometrium tissues using CD33 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using CD33 mAb against human CD33 recombinant protein. (Expected MW is 49.2 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1724813.