

Datasheet for ABIN7092878
anti-CD33 antibody (AA 18-269)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	CD33
Binding Specificity:	AA 18-269
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD33 antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA

Product Details

Immunogen:	Recombinant human CD33 (Asp18-His269) (ABIN6961110) produced by using human HEK293 cells
Clone:	DM77
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)
Background:	Synonyms:CD33,SIGLEC3,gp67

Target Details

Description: Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state. Preferentially recognizes and binds alpha-2,3- and more avidly alpha-2,6-linked sialic acid-bearing glycans. Upon engagement of ligands such as C1q or sialylated glycoproteins, two immunoreceptor tyrosine-based inhibitory motifs (ITIMs) located in CD33 cytoplasmic tail are phosphorylated by Src-like kinases such as LCK. These phosphorylations provide docking sites for the recruitment and activation of protein-tyrosine phosphatases PTPN6/SHP-1 and PTPN11/SHP-2. In turn, these phosphatases regulate downstream pathways through dephosphorylation of signaling molecules. One of the repressive effect of CD33 on monocyte activation requires phosphoinositide 3-kinase/PI3K.

Molecular Weight: 39.8kDa

Gene ID: 945

UniProt: [P20138](#)

Application Details

Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

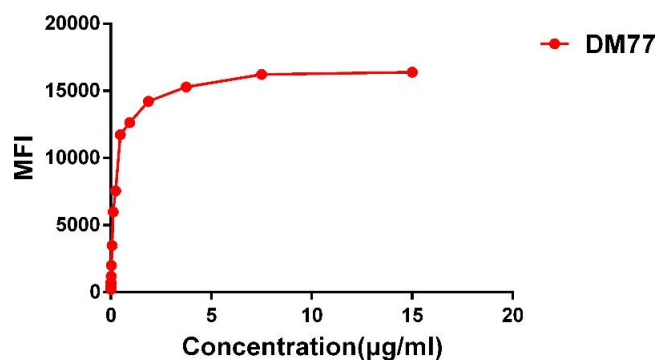
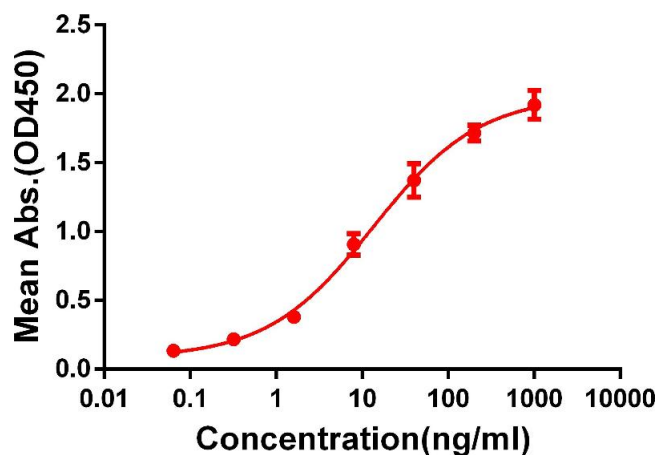


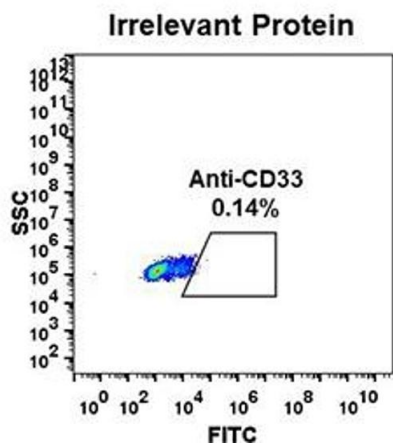
Image 1.



ELISA

Image 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD33 protein, hFc-His tagged protein ((ABIN6961110, ABIN7042249 and ABIN7042250)) can bind Rabbit anti-CD33 monoclonal antibody(clone: DM77) in a linear range of 1-100 ng/mL.

A



Flow Cytometry

Image 3. Expi 293 cell line transfected with irrelevant protein (A) and human CD33 (B) were surface stained with Rabbit anti-CD33 monoclonal antibody 1 µg/mL (clone: DM77) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7092878.