CD33 Antibody PE Conjugate [clone WM53] (V2060PE)

Catalog No.	Formulation	Size
V2060PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Citations (5)

Bulk quote request

Species Reactivity	Human
Format	PE Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	WM53
Purity	Protein G affinity chromatography
Gene ID	945 (Human)
Localization	Cell surface
Applications	Flow cytometry: 5ul/test/10^6 cells in 0.1ml
Limitations	This antibody is available for research use only.



Description

This antibody recognizes a 67kDa glycoprotein, which is identified as CD33 (HLDA IV; WS Code M-505). CD33 is a transmembrane protein of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. It belongs to the immunoreceptor tyrosine-based inhibitory motif (ITIM)-containing molecules able of recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to signal assemblies; these ITIMs are also used for ubiquitin-mediated removal of the receptor from the cell surface. CD33 is expressed on cells of myelomonocytic lineage, binds sialic acid residues in N- and O-glycans on cell surfaces, and is a therapeutic target for acute myeloid leukemia. CD33 is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. It is absent on platelets, lymphocytes, erythrocytes

and hematopoietic stem cells.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

Immunogen

Human AML cells were used as the immunogen for this CD33 antibody.

Storage

Store the CD33 antibody at 2-8oC. The conjugate is light-sensitive, protect from light.

References (1)

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