

Product datasheet

Anti-CD33 antibody [WM-53 (WM53)], prediluted (PerCP/Cy5.5®) ab155352

1 Image

Overview

Product name	Anti-CD33 antibody [WM-53 (WM53)], prediluted (PerCP/Cy5.5®)
Description	Mouse monoclonal [WM-53 (WM53)] to CD33, prediluted (PerCP/Cy5.5®)
Host species	Mouse
Conjugation	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Normal Human peripheral blood cells

Properties

Form	Prediluted
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 99% PBS, 0.2% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	WM-53 (WM53)
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab155352** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Flow Cyt

Use 5µl for 10⁶ cells.

[ab157226](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

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).

Tissue specificity

Monocytic/myeloid lineage cells.

Sequence similarities

Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Domain

Contains 2 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.

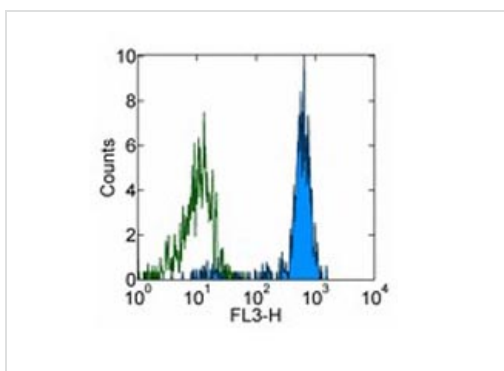
Post-translational modifications

Phosphorylation of Tyr-340 is involved in binding to PTPN6 and PTPN11. Phosphorylation of Tyr-358 is involved in binding to PTPN6.

Cellular localization

Cell membrane.

Images



Staining of normal Human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or ab155352 (filled histogram). Cells in the monocyte gate were used for analysis.

Flow Cytometry - Anti-CD33 antibody [WM-53 (WM53)], prediluted (PerCP/Cy5.5®) (ab155352)

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