

Product datasheet

Anti-CD33 antibody [WM53] (Allophycocyanin/Cy7 [®])
 ab206634

1 Image

Overview

| | |
|----------------------------|--|
| Product name | Anti-CD33 antibody [WM53] (Allophycocyanin/Cy7 [®]) |
| Description | Mouse monoclonal [WM53] to CD33 (Allophycocyanin/Cy7 [®]) |
| Host species | Mouse |
| Conjugation | Allophycocyanin/Cy7 [®] . Ex: 650nm, Em: 774nm |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Human, Non human primates |
| Immunogen | Tissue, cells or virus corresponding to Human CD33. Human AML cells. |
| Positive control | Human blood cells. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Store In the Dark. |
| Storage buffer | Preservative: 0.0975% Sodium azide Constituents: 0.2% BSA, 99% PBS |
| Purity | Size exclusion |
| Clonality | Monoclonal |
| Clone number | WM53 |
| Isotype | IgG1 |

Applications

Our [Abpromise guarantee](#) covers the use of **ab206634** in the following tested applications.

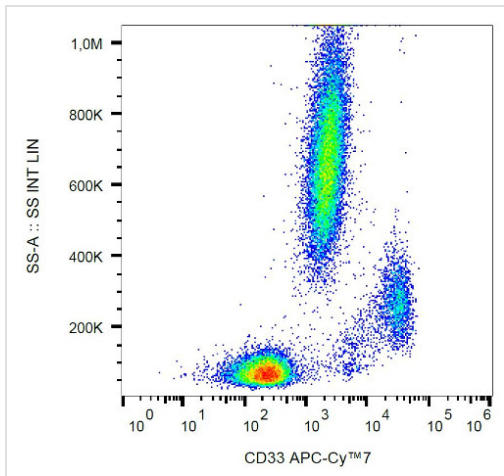
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|------------------------------------|
| Flow Cyt | | Use 4µl for 10 ⁶ cells. |

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



Flow Cytometry - Anti-CD33 antibody [WM53]
(Allophycocyanin/Cy7 ©) (ab206634)

Surface staining of human peripheral blood with anti-CD33 (WM53) APC-Cy7™7.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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