

## CD33 monoclonal antibody

Catalog: MB65774

Host: Mouse

Reactivity: Human

### BackGround:

CD33, a type I transmembrane protein, is a sialic acid-binding Ig-like lectin (Siglec-3) of the Ig superfamily, and human CD33 binds preferentially to alpha-2, 6-linked sialic acid. Upon binding to its ligands CD33 transduces an inhibitory signaling through the immunoreceptor tyrosine-based inhibitory motif (ITIM) in its intracellular domain, inhibiting cellular function such as phagocytosis. In addition, CD33 is also involved in other processes, such as adhesion. Due to its exclusive expression on hematopoietic cells, particularly the myeloid lineage and their progenitors, CD33 has been actively pursued as a therapeutic target against acute myeloid leukemia (AML). CD33 may also be involved in Alzheimer's Disease.

### Product:

Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

### Molecular Weight:

~ 39 kDa

### Swiss-Prot:

P20138

### Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using

epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

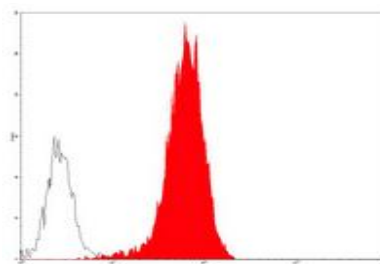
### Storage&Stability:

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

### Specificity:

Recognizes human CD33

### DATA:



Flow cytometric analysis of HEL cells using Anti-CD33 Antibody, followed by anti-mouse IgG PE.

### Note:

For research use only, not for use in diagnostic procedure.

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