ANTI-HUMAN CD33

Conjugated Mouse Monoclonal Antibodies Against Human CD33
Clone P67.6

FITC Conjugate:	**Catalog # 10436**	**50 tests**
PE Conjugate:	**Catalog # 10536**	**100 tests**

SPECIFICITY:

CD33 is expressed in the myeloid and monocyte lineages from committed progenitors until mature cell stages. Mature monocytes express CD33 at high level, while granulocytes are CD33-dim. Erythroid, megakaryocyte and multipotent progenitors (BFU-E, CFU-Meg and CFU-GEMM, respectively) also express CD33, but CD33 is undetectable on earlier progenitor cells and pluripotent stem cells.

CLONE: P67.6

ISOTYPE: $IgG_1\kappa$ (mouse)

FORMAT:

FITC-conjugate: 3 µg in 1 mL (3 µg/mL) in phosphate buffered saline (PBS) containing gelatin and 0.1% (w/v) sodium azide.
PE-conjugate: 24 µg in 2 mL (12 µg/mL) in PBS containing gelatin and 0.1% (w/v) sodium azide.

STABILITY AND STORAGE:

Store at 4ºC. Do not freeze. Product is stable for at least 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:
Recommended amount per $1x10^6$ cells in a volume of 100 µL:

- FITC-conjugate (Cat No. 10436): 20 µL
- PE-conjugate (Cat No. 10536): 20 µL

Appropriate conditions should be established for each application.

Cell separation:
Positive selection of $CD33^+$ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

NOT FOR CLINICAL USE; INCLUDING IN VITRO DIAGNOSTIC USE, AND EX VIVO OR IN VIVO THERAPEUTIC USE IN CLINICAL TRIALS OR IN CLINICAL PRACTISE.
THIS REAGENT IS FOR RESEARCH ONLY.

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Hazardous Ingredient: Sodium Azide. *Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.*

REFERENCES:

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3. Andrews RG, Singer JW, Bernstein ID. Precursors of colony-forming cells in humans can be distinguished from colony-forming cells by expression of the CD33 and CD34 antigens and light scatter properties. J Exp Med. 169: 1721-1731, 1989.

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