

# Anti-CD33 [hP67.6 (Gemtuzumab)] Standard Size Ab00283-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG4 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** hP67.6 (Gemtuzumab)

**Alternative Name(s) of Target:** Siglec-3

**UniProt Accession Number of Target Protein:** P20138

**Published Application(s):** FC, IF

**Published Species Reactivity:** Human

**Immunogen:** Gemtuzumab was generated by humanization of the murine P67.6 clone, raised against CD33-transfected FMY9S5 cells of human origin. CD33 is a transmembrane receptor expressed on predominantly on cells of the myeloid lineage, but it can also be found on some lymphoid cells.

**Specificity:** Recognises human CD33.

**Application Notes:** A human IgG4 variant conjugated to derivative of the cytotoxic drug calicheamicin gamma 1, N-acetylcalicheamicin dimethyl hydrazide, has been used as a therapeutic against acute myeloid leukemia. This antibody may also be used in flow cytometry and immunofluorescence.

**Antibody First Published in:** Appelbaum et al. The use of radiolabeled anti-CD33 antibody to augment marrow irradiation prior to marrow transplantation for acute myelogenous leukemia. Transplantation [PMID:1440849](#)

**Note on publication:** Describes the use of the parental antibody conjugated to a radionucleotide in marrow irradiation.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.