

Anti-CD33 [hP67.6 (Gemtuzumab)] Standard Size Ab00283-10.0

NOT FOR THERAPEUTIC USE- This is a research-grade biosimilar. This is a reformatted human IgG1 antibody based on the original human IgG4 created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human 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.