

## Anti-alpha-gal epitope [m86] Standard Size Ab00532-10.0

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

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

**Clone Number:** m86

**Alternative Name(s) of Target:** A-Gal; Gal-alpha-1 - 3Gal-beta-1 - 4GlcNAc-R

**UniProt Accession Number of Target Protein:**

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

**Published Species Reactivity:** Species independent

**Immunogen:** Rabbit red cells, on which  $\alpha$ -gal is the major carbohydrate epitope, were injected into alpha 1,3 galactosyltransferase knock-out mice.

**Specificity:** This antibody binds to the alpha-gal epitope on glycoproteins and glycolipids.

**Application Notes:** This antibody binds to the alpha-gal epitope found on many glycoproteins and glycolipids of non-primate mammals, prosimians and New World monkeys. Antibodies against the alpha-gal epitopes occur naturally in Old World monkeys, apes and humans, and induce xenograft rejection from non-primate animals.

**Antibody First Published in:** Chen, Radic and Galili Genes coding evolutionary novel anti-carbohydrate antibodies: studies on anti-Gal production in alpha 1,3 galactosyltransferase knock out mice. Mol Immunol. 2000 Jun;37(8):455-66. [PMID:11090880](#)

**Note on publication:** Describes the generation and characterization of anti-gal epitope antibodies raised in alpha 1,3 galactosyltransferase knock-out mice.

### 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.