Anti-α-gal [B1H12] Standard Size Ab01161-23.0

This chimeric rabbit 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: Rabbit IgG, Kappa
Clone Number: B1H12
Alternative Name(s) of Target: alpha gal; Galα1–3Galβ1–4GlcNAc-R; alpha gal; gal
UniProt Accession Number of Target Protein:
Published Application(s): lysis, ELISA
Published Species Reactivity: Cow, Rabbit, Mouse
Immunogen: This antibody was raised by immunising α1,3galactosyltransferase knock-out mice, which lack α-gal epitopes. Mice were immunised with rabbit red cell membranes, on which α-gal is the major carbohydrate epitope.
Specificity: This antibody is specific for α-gal epitopes (Galα1–3Galβ1–4GlcNAc-R) on glycoprotein and glycolipid molecules.
Application Notes: This antibody binds to glycoprotein and glycolipid molecules expressing α-gal epitopes, including α-gal-BSA, in ELISA analysis (Chen et al., 2005). It does not cross-react with any glycoproteins lacking this epitope. This antibody binds to the α-gal epitopes on the hybridoma cells producing the antibody, so can mediate complement mediated autolysis in the presence of rabbit serum (Chen et al., 2000).
Antibody First Published in: Chen et al. Genes coding evolutionary novel anti-carbohydrate antibodies: studies on anti-Gal production in α1,3galactosyltransferase knock out mice Molecular Immunology, 2000, Vol.37(8), pp.455-466 PMID:11090880
Note on publication: Describes the original generation of this antibody, and its characterisation in ELISA analysis.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

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20ºC.

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.

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