

Anti-Beta-galactosidase [13R4] Bulk Size Ab00135-8.4-BT

Recombinant monoclonal antibody to Beta-galactosidase. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the scFv 13R4. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Rat IgG2b, Fc Silent™, Lambda

Clone Number: 13R4

Alternative Name(s) of Target: beta-gal; Acid beta galactosidase; Beta galactosidase 1; β-galactosidase; β-gal; EBP; ELNR1; Galactosidase beta 1; GLB1; MPS4B

UniProt Accession Number of Target Protein: P16278

Published Application(s): negative control, WB, FC

Published Species Reactivity: E. coli

Immunogen: Beta-galactosidase.

Specificity: 13R4 recognizes wild-type E. coli beta-galactosidase.

Application Notes:

Antibody First Published in: Martineau P, Jones P, Winter G. Expression of an antibody fragment at high levels in the bacterial cytoplasm. J Mol Biol. 1998 Jul 3;280(1):117-27. [PMID:9653035](#)

Note on publication: Describes the parent scFv13 antibody improved by four rounds of random mutagenesis leading to optimised scFv13R4; scFv13R4 was selected for its capacity to fold correctly in a reducing environment such as the cytoplasm.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.