

## Anti-Beta-galactosidase [13R4] Standard Size Ab00135-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a chimeric antibody created as part of a panel offering antibodies of the same specificity in different formats (species, isotype, subtype and modified versions) for use as isotype controls.

**Isotype and Format:** Human IgG1, 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:** P00722

**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:** 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.