

Anti-Beta-galactosidase, Human IgG1 Antibody

CATALOG NO:	A1104-200
ALTERNATE NAME:	beta-gal; Acid beta galactosidase; Beta galactosidase 1; β -galactosidase; β -gal; EBP; ELNR1; Galactosidase beta 1; GLB1; MPS4B
AMOUNT:	200 μ g
ISOTYPE / FORMAT:	Human IgG1, lambda
CLONALITY:	Monoclonal
CLONE:	13R4
SPECIES REACTIVITY:	E. coli
IMMUNOGEN:	Beta-galactosidase
FORM:	Liquid
SPECIFICITY:	13R4 recognizes wild-type E. coli beta-galactosidase.
PURIFICATION:	Affinity purified using Protein A
FORMULATION:	Supplied in PBS with preservative (0.02% Proclin 300)
STORAGE CONDITIONS:	Store at 4 °C for up to 3 months. For long term storage, aliquot and freeze at -20 °C. Avoid repeated freeze/defrost cycles.
DESCRIPTION:	Recombinant monoclonal antibody to Beta-galactosidase. Manufactured using recombinant technology with variable regions (i.e. specificity) from the scFv 13R4.
BACKGROUND:	Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. Isoform 2 has no beta-galactosidase catalytic activity, but plays functional roles in the formation of extracellular elastic fibers (elastogenesis) and in the development of connective tissue. Seems to be identical to the elastin-binding protein (EBP), a major component of the non-integrin cell surface receptor expressed on fibroblasts, smooth muscle cells, chondroblasts, leukocytes, and certain cancer cell types. In elastin producing cells, associates with tropoelastin intracellularly and functions as a recycling molecular chaperone which facilitates the secretions of tropoelastin and its assembly into elastic fibers.
APPLICATION:	WB; FC; negative control
REFERENCE:	Martineau P, Jones P, Winter G. Expression of an antibody fragment at high levels in the bacterial cytoplasm. J Mol Biol. 1998 Jul3; 280 (1):117-27.

RELATED PRODUCTS:

- Anti-VEGF, humanized Antibody (**Cat. No. A1045-100**)
- Anti-HER2, humanized Antibody (**Cat. No. A1046-100**)
- Anti-EGFR, Chimeric Antibody (**Cat. No. A1047-100**)
- Anti-TNF- α , humanized Antibody (**Cat. No. A1048-100**)
- Anti-CD20, Chimeric Antibody (**Cat. No. A1049-100**)
- Anti-EGFR, humanized antibody (**Cat. No. A1050-100**)
- Anti-OX40L, Human IgG1 Antibody (**Cat. No. A1088-200**)
- Anti-CD11a, Human IgG1 Antibody (**Cat. No. A1089-200**)
- Anti-EGFR, Human IgG1 Antibody (**Cat. No. A1090-200**)
- Anti-CD4, Human IgG4 Antibody (**Cat. No. A1091-200**)
- Anti-alpha 5 beta1 Integrin, Human IgG4 Antibody (**Cat. No. A1092-200**)
- Anti-TNF alpha, Human IgG4 Antibody (**Cat. No. A1093-200**)
- Anti-CD40L, Human IgG1 Antibody (**Cat. No. A1094-200**)
- Anti-Human Ephrin Type A receptor 2 (1C1), Human IgG1 Antibody (**Cat. No. A1095-200**)
- Anti-Carcinoembryonic antigen, Human IgG1 Antibody (**Cat. No. A1096-200**)
- Anti-TNF alpha, Human IgG1 Antibody (**Cat. No. A1097-200**)
- Anti-IL-2R alpha (CD25), Human IgG1 Antibody (**Cat. No. A1098-200**)
- Anti-IL-2R alpha, Human IgG1 Antibody (**Cat. No. A1099-200**)
- Human IgG1, κ Isotype Control Antibody (**Cat. No. A1100-200**)
- Human IgG4, κ Isotype Control Antibody (**Cat. No. A1101-200**)

FOR RESEARCH USE ONLY! Not to be used on humans.