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 µg

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/thaw 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


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-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.