

## Anti-Beta-galactosidase, Human IgG1 Antibody

<b>CATALOG NO:</b>	A1104-200
<b>ALTERNATE NAME:</b>	beta-gal; Acid beta galactosidase; Beta galactosidase 1; $\beta$ -galactosidase; $\beta$ -gal; EBP; ELNR1; Galactosidase beta 1; GLB1; MPS4B
<b>AMOUNT:</b>	200 $\mu$ g
<b>ISOTYPE / FORMAT:</b>	Human IgG1, lambda
<b>CLONALITY:</b>	Monoclonal
<b>CLONE:</b>	13R4
<b>SPECIES REACTIVITY:</b>	E. coli
<b>IMMUNOGEN:</b>	Beta-galactosidase
<b>FORM:</b>	Liquid
<b>SPECIFICITY:</b>	13R4 recognizes wild-type E. coli beta-galactosidase.
<b>PURIFICATION:</b>	Affinity purified using Protein A
<b>FORMULATION:</b>	Supplied in PBS with preservative (0.02% Proclin 300)
<b>STORAGE CONDITIONS:</b>	Store at 4°C for upto 3 months. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	Recombinant monoclonal antibody to Beta-galactosidase. Manufactured using recombinant technology with variable regions (i.e. specificity) from the scFv 13R4.
<b>BACKGROUND:</b>	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.
<b>APPLICATION:</b>	WB; FC; negative control
<b>REFERENCE:</b>	Martineau P, Jones P, Winter G. Expression of an antibody fragment at high levels in the bacterial cytoplasm. J Mol Biol. 1998 Jul; 280 (1):117-27.

### RELATED PRODUCTS:

- Anti-VEGF (Bevacizumab), humanized Antibody (**Cat. No. A1045-100**)
- Anti-HER2 (Trastuzumab), humanized Antibody (**Cat. No. A1046-100**)
- Anti-EGFR (Cetuximab), Chimeric Antibody (**Cat. No. A1047-100**)
- Anti-TNF- $\alpha$  (Adalimumab), humanized Antibody (**Cat. No. A1048-100**)
- Anti-CD20 (Rituximab), Chimeric Antibody (**Cat. No. A1049-100**)
- Anti-EGFR (Panitumumab), humanized antibody (**Cat. No. A1050-100**)
- Anti-OX40L (Oxelumab), Human IgG1 Antibody (**Cat. No. A1088-200**)
- Anti-CD11a (Efalizumab), Human IgG1 Antibody (**Cat. No. A1089-200**)
- Anti-EGFR (Matuzumab), Human IgG1 Antibody (**Cat. No. A1090-200**)
- Anti-CD4 (Clenoliximab), Human IgG4 Antibody (**Cat. No. A1091-200**)
- Anti-alpha 5 beta1 Integrin (Volociximab), Human IgG4 Antibody (**Cat. No. A1092-200**)
- Anti-TNF alpha (Humicade), Human IgG4 Antibody (**Cat. No. A1093-200**)
- Anti-CD40L (Ruplizumab), 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 (Arcitumomab), Human IgG1 Antibody (**Cat. No. A1096-200**)
- Anti-TNF alpha (Infliximab), Human IgG1 Antibody (**Cat. No. A1097-200**)
- Anti-IL-2R alpha (CD25) (Basiliximab), Human IgG1 Antibody (**Cat. No. A1098-200**)
- Anti-IL-2R alpha (Daclizumab), Human IgG1 Antibody (**Cat. No. A1099-200**)
- Human IgG1,  $\kappa$  Isotype Control Antibody (**Cat. No. A1100-200**)
- Human IgG4,  $\kappa$  Isotype Control Antibody (**Cat. No. A1101-200**)

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