

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07898-B - Goat Anti-Insulysin / Insulinase, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: IDE, insulin degrading enzyme, INSULYSIN, Abeta-degrading

protease, insulin protease, insulinase

Official Symbol: IDE

Accession Number(s): NP_004960.2; NP_001159418.1; NP_001309722.1;

NP_001309723.1; NP_001309724.1; NP_001309726.1

Human GeneID(s): 3416

Important Comments: This antibody is expected to recognize all reported isoforms

(NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309723.1;

NP_001309724.1; NP_001309726.1). Reported variants represent identical protein:

NP_001309725.1, NP_001309724.1

Immunogen

Peptide with sequence CQQYNFDRDNTE., from the internal region of the protein sequence according to NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309724.1; NP_001309726.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 120kDa band observed in lysates of cell line K562 (calculated MW of 118kDa according to NP_004960.2). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.3-1μg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog

250kDa 150kDa 100kDa 75kDa

50kDa

37kDa

25kDa

20kDa

15kDa

Biotinylated EB07898 (0.3µg/ml) staining of K562 lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.