

#### **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\_001309723.1; 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.