

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.**

EB07852 - Goat Anti-TGM2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TGM2, transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase), TG2, TGC, C polypeptide, TGase C, TGase-H, protein-glutamine-gamma-glutamyltransferase, tissue transglutaminase, transglutaminase 2, transglutaminase C

Official Symbol: TGM2

Accession Number(s): NP_004604.2; NP_001310245.1; NP_001310247.1; NP_001310246.1

Human GeneID(s): [7052](#)

Important Comments: This antibody is expected to recognise all reported isoforms.

Immunogen

Peptide with sequence C-ESDKLKAVKGFRN, from the C Terminus of the protein sequence according to NP_004604.2; NP_001310245.1; NP_001310247.1; NP_001310246.1.

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 1:128000.

Western blot: Approx. 85kDa band observed in Human Placenta lysates, and approx. 80kDa in lysates of cell line A549 and in preliminary testing of Human pancreatic cancer lysate (calculated MW. of 77.3kDa according to NP_004604.2). These molecular weights are observed by other commercial sources. Recommended concentration: 0.01-0.1µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

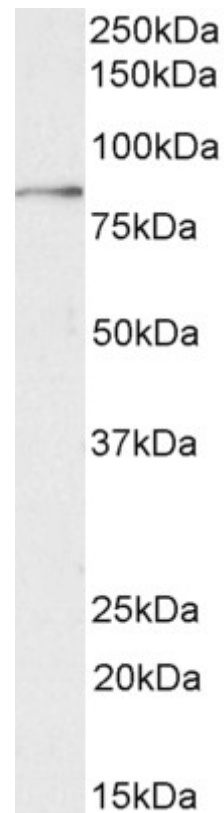
Species Reactivity

Tested: Human

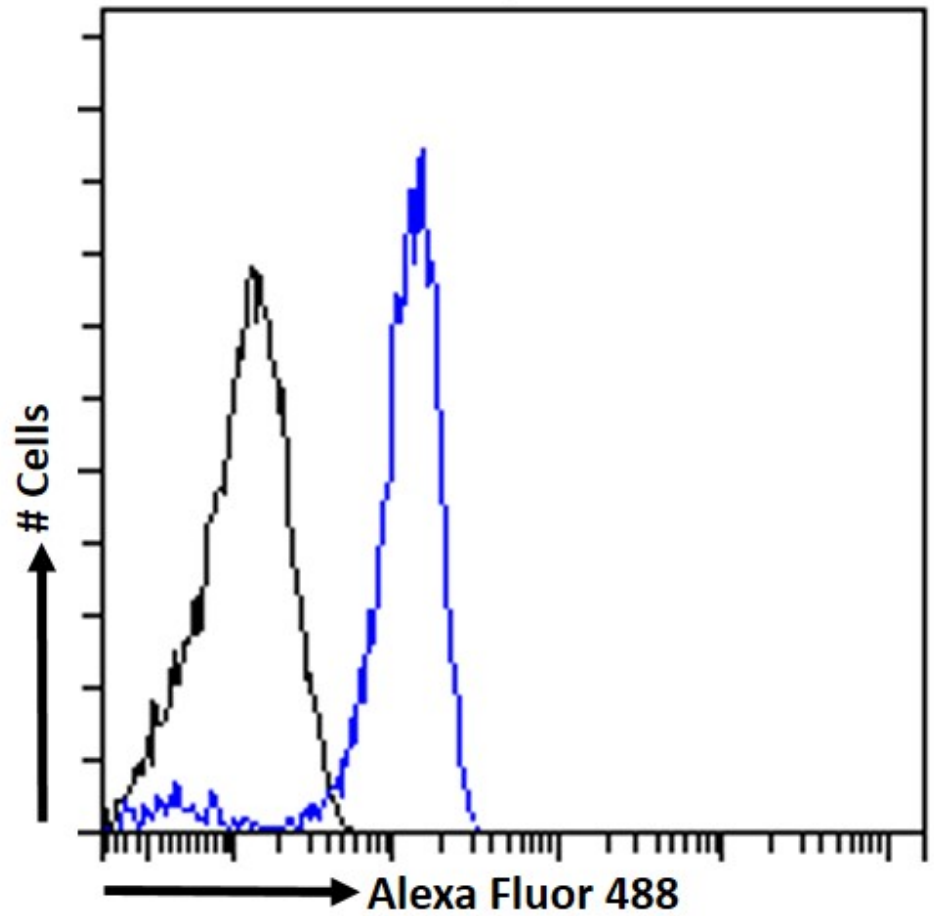
Expected from sequence similarity: Human, Dog, Cow



EB07852 (0.1 μ g/ml) staining of A549 cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07852 (0.03 μ g/ml) staining of Human Placenta lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07852 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.