



## International Office

### Everest Biotech Ltd

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

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11067-B - Goat Anti-Thyroid peroxidase, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TPO, thyroid peroxidase, MSA, TDH2A, TPX, thyroid microsomal antigen, thyroperoxidase

**Official Symbol:** TPO

**Accession Number(s):** NP\_000538.3; NP\_783650.1; NP\_783652.1; NP\_783653.1

**Human GeneID(s):** [7173](#)

**Important Comments:** This antibody is expected to recognize reported isoforms a (NP\_000538.3), b (NP\_783650.1), d (NP\_78652.1), and e (NP\_783653.1). Reported variants represent identical protein: NP\_000538.3, NP\_001193673.1 Reported variants represent identical protein: NP\_783650.1, NP\_001193674.1

### Immunogen

Peptide with sequence CTRHVIQVSNEVVTDD., from the internal region of the protein sequence according to NP\_000538.3; NP\_783650.1; NP\_783652.1; NP\_783653.1.

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

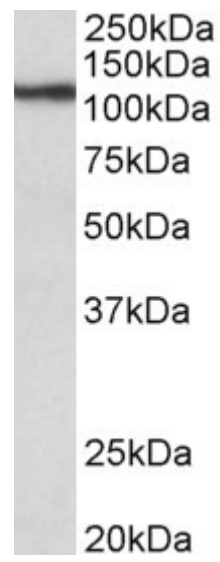
**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx 110kDa band observed in Human Thyroid Gland lysates (calculated MW of 103kDa according to NP\_000538.3). 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



Biotinylated EB11067 (0.3 $\mu$ g/ml) staining of Human Thyroid Gland lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.