



## International Office

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

## EB11068-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 all reported isoforms (NP\_000538.3; NP\_783650.1; NP\_783652.1; 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 ELRCGKHQAVGTSPQ., from the C Terminus 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

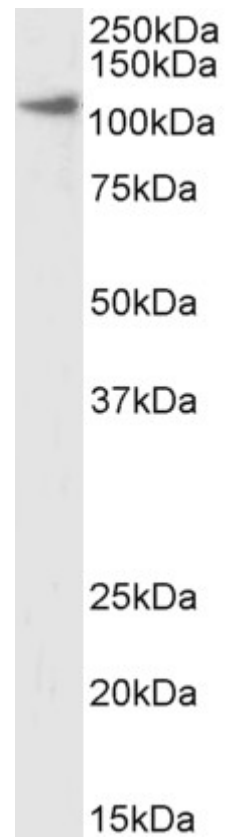
**Peptide ELISA:** antibody detection limit dilution 1:32000.

**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: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



Biotinylated EB11068 (1 $\mu$ g/ml) staining of Human Thyroid Gland lysate (35 $\mu$ g 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.