

## Anti-thyroid peroxidase, Biotinylated antibody (C-Term) {Biotin} (STJ73198)

STJ73198

### GENERAL INFORMATION

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Type</b>      | Primary antibodies                                                                                                                           |
| <b>Short Description</b> | Goat polyclonal antibody anti-thyroid peroxidase, Biotinylated (C-Term) is suitable for use in ELISA and Western Blot research applications. |
| <b>Applications</b>      | Pep-ELISA/WB                                                                                                                                 |
| <b>Host/Source</b>       | Goat                                                                                                                                         |
| <b>Reactivity</b>        | Human                                                                                                                                        |

### PRODUCT PROPERTIES

|                            |                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                |
| <b>Clone ID</b>            |                                                                                                                                                                                                                                                           |
| <b>Concentration</b>       | 0.5 mg/mL                                                                                                                                                                                                                                                 |
| <b>Conjugation</b>         | Biotin                                                                                                                                                                                                                                                    |
| <b>Purification</b>        | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.                                                                                                                     |
| <b>Dilution Range</b>      | Peptide ELISA: antibody detection limit dilution 1:32000.<br>WB: 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. Re |
| <b>Formulation</b>         | 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA                                                                                                                                                                    |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b> | Store at -20°C on receipt and minimise freeze-thaw cycles.                                                                                                                                                                                                |

### TARGET INFORMATION

|                           |                                                                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 7173                                                                                                                                                                                                                                                                       |
| <b>Gene Symbol</b>        | TPO                                                                                                                                                                                                                                                                        |
| <b>Uniprot ID</b>         | PERT_HUMAN                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>          |                                                                                                                                                                                                                                                                            |
| <b>Immunogen Region</b>   | C-Term                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | 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, ELRCGKHQAVGTSPQ. |
| <b>Immunogen Sequence</b> |                                                                                                                                                                                                                                                                            |



Biotinylated STJ72639 (1µg/ml) staining of Human Thyroid Gland 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.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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