

## Mouse TPO ELISA Kit | TPO elisa kit

TPO (Mouse) ELISA

CATALOG #  
AAA72627

REACTIVITY  
Mouse

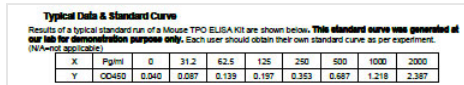
### PRODUCT SYNONYMS

TPO; TPO (Mouse) ELISA; TPO elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                       |
| Sequence Length         | 876                                                                         |
| Samples                 | Human Serum, Plasma, Body Fluids, Tissue Lysates Or Cell Culture Supernates |
| Assay Type              | Sandwich                                                                    |
| Detection Range         | 7.8pg/ml-500pg/ml                                                           |
| Sensitivity             | <2pg/ml                                                                     |
| Preparation and Storage | 2 - 8 degree C                                                              |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TPO elisa kit

Intended Uses: For detection of TNFsRII in human serum, plasma, body fluids, tissue lysates or cell culture supernates. For research use only.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TNFsRII polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TNFsRII polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TNFsRII amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TNFsRII can be calculated!!  
Background/Introduction: Tumor necrosis factor receptor superfamily member 1B is a protein that in humans is encoded by the TNFRSF1B gene. This gene contains 10 exons and spans about 26 kb. It is present on many cell types, especially those of myeloid origin, and is strongly expressed on stimulated T and B lymphocytes. It is a member of the Tumor necrosis factor receptor superfamily, which also contains TNFRSF1A. It causes the ubiquitination of TRAF2 by CIAP1, which can play a proapoptotic role in TNF signaling.

#### Product Categories/Family for TPO elisa kit

Cytokines & Cell Signalling; Endocrinology; Hormones; Bone & Mineral Metabolism; Research Assays; Assay Categories

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 332078492                                                       |
| NCBI GeneID                      | 7173                                                            |
| NCBI Accession #                 | NP_001193674.1                                                  |
| NCBI GenBank Nucleotide #        | NM_001206745.1                                                  |
| Molecular Weight                 | 92,063 Da                                                       |
| NCBI Official Full Name          | thyroid peroxidase isoform b                                    |
| NCBI Official Synonym Full Names | thyroid peroxidase                                              |
| NCBI Official Symbol             | TPO                                                             |
| NCBI Official Synonym Symbols    | MSA; TPX; TDH2A                                                 |
| NCBI Protein Information         | thyroid peroxidase; thyroid microsomal antigen; thyroperoxidase |
| UniProt Protein Name             | Thyroid peroxidase                                              |
| UniProt Gene Name                | <b>TPO</b>                                                      |
| UniProt Synonym Gene Names       | TPO                                                             |
| UniProt Entry Name               | PERT_HUMAN                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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