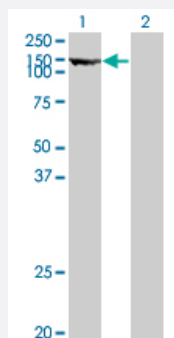


TPO monoclonal antibody (M08), clone 2A11

Catalog # H00007173-M08

Size 100 ug

Applications

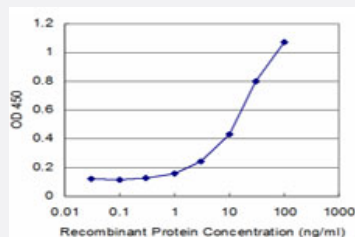


Western Blot (Transfected lysate)

Western Blot analysis of TPO expression in transfected 293T cell line by TPO monoclonal antibody (M08), clone 2A11.

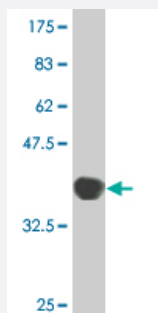
Lane 1: TPO transfected lysate (102.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPO is approximately 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.62 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant TPO.

Immunogen	TPO (NP_000538.3, 672 a.a. ~ 779 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	WENSHVFTDAQRRELEKHSLSRVICDNTGLTRVPMDAFQVGKFPEDFESCDSITGMNLEAWRET FPQDDKCGFPESVENGDFVHCEESGRRVLVYSCRHGYELQGREQ
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TPO expression in transfected 293T cell line by TPO monoclonal antibody (M08), clone 2A11.

Lane 1: TPO transfected lysate(102.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPO is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TPO

Entrez GeneID [7173](#)

GeneBank Accession# [NM_000547](#)

Protein Accession#	NP_000538.3
Gene Name	TPO
Gene Alias	MSA, TPX
Gene Description	thyroid peroxidase
Omim ID	274500 606765
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mutations in this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Additional splice variants have been described but their biological natures have not been determined. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000115304 OTTHUMP00000115536 thyroid microsomal antigen thyroperoxidase

Pathway

- [Autoimmune thyroid disease](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)
- [Metabolic pathways](#)
- [Tyrosine metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)

- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hypothyroidism](#)
- [Myocardial Infarction](#)
- [Thyroid Dysgenesis](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)