



Magic™ Anti-TPO monoclonal antibody, clone C2389N (DCAB-TJ174)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 pa
Specificity	Human Thyroid peroxidase, native and recombinant.
Immunogen	Human Thyroid Peroxidase
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	C2389N
Purification	> 90% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended Suggested pair for testing (Capture - Detection): DCAB-TJ174 - DCAB-TJ171
Format	Purified, Liquid
Concentration	5.4 mg/mL
Size	1 mg

Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

GENE INFORMATION

Gene Name	TPO thyroid peroxidase [Homo sapiens (human)]
Official Symbol	TPO
Synonyms	TPO; thyroid peroxidase; MSA; TPX; TDH2A; thyroperoxidase; thyroid microsomal antigen; EC 1.11.1.8; Thyroid peroxidase
Entrez Gene ID	7173
Protein Refseq	NP_000538
UniProt ID	P07202
Chromosome Location	2p25
Pathway	Amine-derived hormones, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor
Function	calcium ion binding; heme binding; iodide peroxidase activity; peroxidase activity