



Magic™ Anti-MPO monoclonal antibody, clone 27F4 (DCAB-TJ225)

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

PRODUCT INFORMATION

Antigen Description	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain.
Specificity	Myeloperoxidase
Immunogen	Purified Human MPO
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	27F4
Affinity Constant	Not determined
Purification	> 90% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. 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 pairs for sandwich ELISA: DCAB-TJ225 - DCAB-TJ224 Suggested pair for testing (Capture - Detection): DCAB-TJ225 - DCAB-TJ224
Format	Purified, Liquid
Concentration	5.3 mg/mL

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

GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens (human)]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase; EC 1.11.2.2; Myeloperoxidase
Entrez Gene ID	4353
Protein Refseq	NP_000241
UniProt ID	P05164
Chromosome Location	17q23.1
Pathway	C-MYB transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Selenium
Function	chromatin binding; heme binding; heparin binding; metal ion binding; peroxidase activity