



MPO peptide (DAG-P1801)

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. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the peroxidase family. XPO subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens (human)]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
Entrez Gene ID	4353
mRNA Refseq	NM_000250.1
Protein Refseq	NP_000241.1

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 Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; Vitamin B12 Metabolism, organism-specific biosystem; amb2 Integrin signalin
Function	chromatin binding; heme binding; heparin binding; metal ion binding; peroxidase activity;