

Native Human Neutrophil Myeloperoxidase

Cat. No. MPO-8220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Neutrophil Myeloperoxidase was purified from Human Neutrophil.
Species	Human
Source	Human Neutrophil
Description	MPO is a peroxidase enzyme occurs the most in neutrophil granulocytes (a subtype of white blood cells). It is a lysosomal protein stored in azurophilic granules of the neutrophil. Myeloperoxidase has a green heme pigment and is found in pus and some forms of mucus. Myeloperoxidase (MPO) is recognized as an important factor in many inflammatory diseases such as cardiovascular and neurological diseases. MPO-specific imaging agents would thus be highly useful to diagnose early disease, monitor disease progression, and quantify treatment effects.
Form	50mM Sodium Acetate, pH 6.0, 0.1M NaCl
Purity	>98% by SDS-PAGE
Stability	2 years
Storage	2-8 °C
Concentration	Typically >1.0 mg protein/ml

GENE INFORMATION

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Gene Name	MPO myeloperoxidase [Homo sapiens]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
Gene ID	4353
mRNA Refseq	NM_000250
Protein Refseq	NP_000241
MIM	606989
UniProt ID	P05164
Chromosome Location	17q21.3-q23
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;
Function	chromatin binding; heme binding; heparin binding; metal ion binding; oxidoreductase activity; peroxidase activity;

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