Mouse Anti-MPO Monoclonal Antibody

CAB-1844MH Mouse(MPO)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti-MPO Monoclonal Antibody
Antigen Description	Myeloperoxidase (MPO) is a peroxidase enzyme (EC 1.11.1.7) most abundantly present in neutrophil granulocytes(a subtype of white blood cells). It is a lysosomal protein stored in azurophilic granules of the neutrophil. MPO has a heme pigment, which causes its green color in secretions rich in neutrophils, such as pus and some forms of mucus.
specificity	Myeloperoxidase
Target	MPO
Immunogen	Human myeloperoxidase purified leukocyte mass
Host	Mouse
Isotype	IgG1
Source	Ascites
Species	Human
Clone	4C3
Purification	>90% pure (SDS-PAGE). Protein A chromatography
conjugation	N/A
Applications	N/A

PACKAGING

Format	Purified, Liquid
Concentration	1.2mg/ml (Sigma protein assay kit)1.2mg/ml (Sigma protein assay kit)
Buffer	20mM Tris-HCl pH 7.5 containing 150mM Sodium chloride
Storage	Store at 2-8°C.
Warning	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

ANTIGEN GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
GeneID	4353
mRNA Refseq	NM_000250
Protein Refseq	NP_000241

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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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