

Rabbit anti-Human Myeloperoxidase Polyclonal Antibody | anti-MPO antibody

Myeloperoxidase Antibody (N-term)

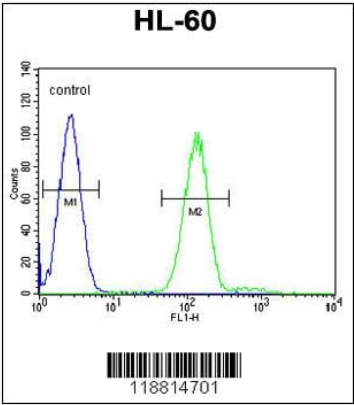
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289591	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

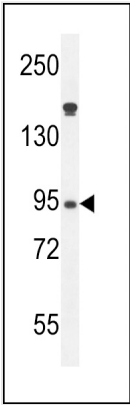
Myeloperoxidase; Polyclonal Antibody; Myeloperoxidase Antibody (N-term); MPO; 89 kDa myeloperoxidase; 84 kDa myeloperoxidase; Myeloperoxidase light chain; Myeloperoxidase heavy chain; anti-MPO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Myeloperoxidase antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-89 amino acids from the N-terminal region of human Myeloperoxidase.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	60-89
Sequence Length	777
Applicable Applications for anti-MPO antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Myeloperoxidase Antibody (N-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Myeloperoxidase Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the Myeloperoxidase antibody detected the Myeloperoxidase protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MPO antibody	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 netrophils. [provided by RefSeq].
Product Categories/Family for anti-MPO antibody	Cancer; Cardiovascular; Immunology; Metabolism; Microbiology; Signal Transduction
References	Banerjee, M., et al. Toxicol. Appl. Pharmacol. 249(1):47-54(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Nahon, P., et al. Antioxid. Redox Signal. (2010) In press : Wang, Y., et al. J. Huazhong Univ. Sci. Technol. Med. Sci. 30(4):437-442(2010) Hua, F., et al. Zhongguo Fei Ai Za Zhi 13(2):122-127(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557759
NCBI GeneID	4353
NCBI Accession #	NP_000241.1
NCBI GenBank Nucleotide #	NM_000250.1
UniProt Accession #	P05164; Q14862; Q4PJH5; Q9UCL7; A1L4B8
Molecular Weight	83869
NCBI Official Full Name	myeloperoxidase
NCBI Official Synonym Full Names	myeloperoxidase
NCBI Official Symbol	MPO
NCBI Protein Information	myeloperoxidase
UniProt Protein Name	Myeloperoxidase
UniProt Gene Name	MPO

UniProt Synonym Gene Names	MPO
UniProt Entry Name	PERM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/myeloperoxidase-antibody-flow-cytometry-western-blot-elisa/289591>