

Human myeloperoxidase ELISA Kit | MPO elisa kit

Human myeloperoxidase, MPO ELISA Kit

CATALOG #
AAA79976

REACTIVITY
Human

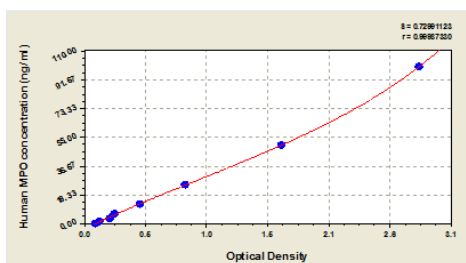
PRODUCT SYNONYMS

myeloperoxidase; Human myeloperoxidase; MPO ELISA Kit; MPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MPO. No significant cross-reactivity or interference between Human MPO and analogues was observed.
Sequence Length	745
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	6.25 ng/ml-400 ng/ml
Sensitivity	1.56 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Oxidative Stress
Protein Biological Process 3	Hydrogen peroxide
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPO elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MPO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for MPO and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain MPO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MPO in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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	83,869 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mpo-human-elisa-kits/myeloperoxidase/79976>