

Human Myeloperoxidase ELISA Kit | MPO elisa kit

Human Myeloperoxidase ELISA Kit

CATALOG # AAA17864	REACTIVITY Human	APPLICATIONS ELISA
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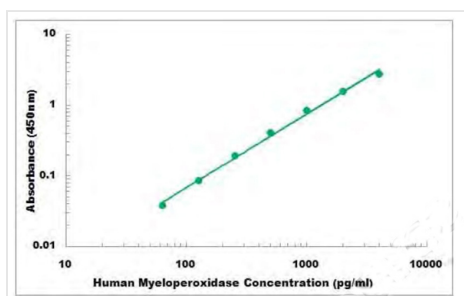
PRODUCT SYNONYMS

Myeloperoxidase; Human Myeloperoxidase ELISA Kit; MPO; MPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Myeloperoxidase ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Myeloperoxidase proteins within the range of 62.5 pg/ml - 4,000 pg/ml.
Sequence Length	745
Samples	Culture Supernatants, Serum, Plasma, Cell Lysates, Tissue Homogenates, Urine
Sensitivity	< 30 pg/ml
Applicable Applications for MPO elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPO elisa kit	Background: Myeloperoxidase (MPO) is a mammalian phagocyte hemoprotein thought to primarily mediate host defense reactions. It is abundantly expressed in neutrophils and secreted during their activation. Myeloperoxidase is part of the host defense system of human polymorphonuclear leukocytes, responsible for microbicidal activity against a wide range of organisms. It is located in the nucleus as well as in the cytoplasm. Intranuclear MPO may help to protect DNA against damage resulting from oxygen radicals produced during myeloid cell maturation and function. Principle of the Assay: The Human Myeloperoxidase ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Myeloperoxidase in Cell Culture Supernatants, Serum, Plasma, Cell Lysates, Tissue Homogenates, Urine. This assay employs an antibody specific for Human Myeloperoxidase coated on a 96-well plate. Standards and samples are pipetted into the wells and Myeloperoxidase present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Myeloperoxidase antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Myeloperoxidase bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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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	87,248 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.

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Online datasheet: <https://stage.aaabiotech.com/mpo-human-elisa-kits/myeloperoxidase/17864>