

Human Myeloperoxidase ELISA Kit | MPO elisa kit

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CATALOG #
AAA16067

REACTIVITY
Human

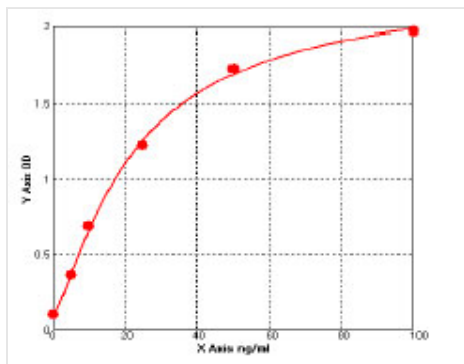
PRODUCT SYNONYMS

Myeloperoxidase; Human Myeloperoxidase ELISA Kit; MPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MPO. No significant cross-reactivity or interference between MPO and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MPO and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPO elisa kit	Principle of the Assay: MPO ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MPO. Standards or samples are then added to the microtiter plate wells and MPO if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MPO present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MPO are added to each well to "sandwich" the MPO immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MPO and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MPO concentration in each sample is interpolated from this standard curve. Intended Uses: This MPO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MPO. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for MPO elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	188658
NCBI GeneID	4353
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.

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/16067>