

Porcine Myeloperoxidase ELISA Kit | MPO elisa kit

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CATALOG #
AAA16878

REACTIVITY
Porcine

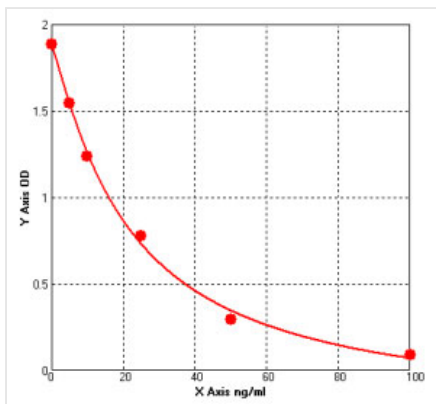
PRODUCT SYNONYMS

Myeloperoxidase; Porcine Myeloperoxidase ELISA Kit; MPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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
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 competitive enzyme immunoassay technique utilizing a polyclonal anti-MPO antibody and an MPO-HRP conjugate. The assay sample and buffer are incubated together with MPO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MPO concentration since MPO from samples and MPO-HRP conjugate compete for the anti-MPO antibody binding site. Since the number of sites is limited, as more sites are occupied by MPO from the sample, fewer sites are left to bind MPO-HRP conjugate. 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 Porcine 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.

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Online datasheet: <https://stage.aaabiotech.com/mpo-porcine-elisa-kits/myeloperoxidase/16878>