

Rat Myeloperoxidase (MPO) ELISA Kit | MPO elisa kit

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CATALOG #
AAA63317

REACTIVITY
Rat

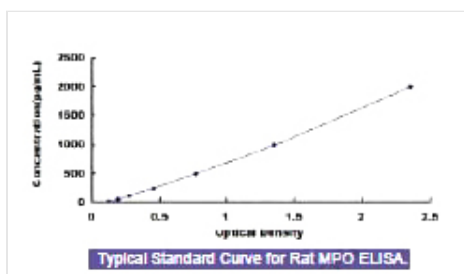
PRODUCT SYNONYMS

Myeloperoxidase (MPO); Rat Myeloperoxidase (MPO) ELISA Kit; MPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	523
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	13.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MPO were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MPO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPO elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MPO in rat serum, plasma, tissue homogenates and other biological fluids. 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 to MPO. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, 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 sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. 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 GeneID	303413
UniProt Accession #	D3ZYH8
Molecular Weight	59,245 Da
NCBI Official Synonym Full Names	myeloperoxidase
NCBI Official Symbol	Mpo
NCBI Protein Information	myeloperoxidase
UniProt Protein Name	Protein Mpo
UniProt Gene Name	Mpo

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.