

Myeloperoxidase (MPO) Assay Kit | MPO assay kit

Myeloperoxidase (MPO) Activity Assay Kit

CATALOG #
AAA177786

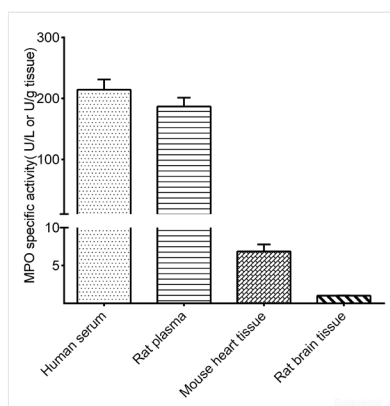
PRODUCT SYNONYMS

Myeloperoxidase (MPO); Myeloperoxidase (MPO) Activity Assay Kit; MPO assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, milk, animal tissue
Detection Range	19.42-893.31 U/L
Sensitivity	19.42 U/L
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for MPO assay kit

Intended Uses: This kit can be used to detect myeloperoxidase (MPO) activity in serum, plasma, milk, animal tissue.

Principle of the Assay: Myeloperoxidase reduces hydrogen peroxide to a complex. The complex react with o-dianisidine (as hydrogen donor) to produce a yellow product which has a maximum absorption peak at 460 nm. The activity of MPO can be calculated indirectly by measuring the OD value at 460nm.

Background/Introduction: Myeloperoxidase is a heme-containing cationic glycoprotein that belongs to the heme peroxidase family in mammals. MPO is a dimer formed by polymerization of two subunits. Each subunit contains a heavy chain and a light chain. MPO is abundant in the azurophilic granules of polymorphonuclear leukocytes (PMNLs) and a small number in monocytes and macrophages. Studies have shown that MPO plays an important role in the generation of oxidants and host defense in neutrophils and is closely related to the pathogenesis of many diseases, including cardiovascular disease, lung injury and cancer.

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.

