

Myeloperoxidase (MPO) Peroxidation Assay Kit | MPO assay kit

Myeloperoxidase (MPO) Peroxidation Activity Fluorometric Assay Kit

CATALOG #
AAA177769

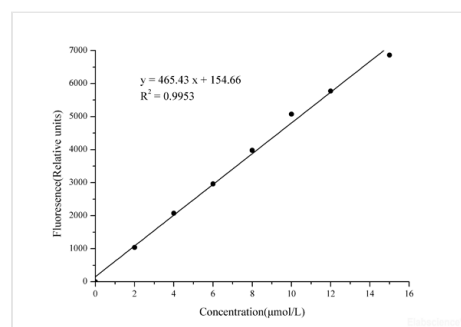
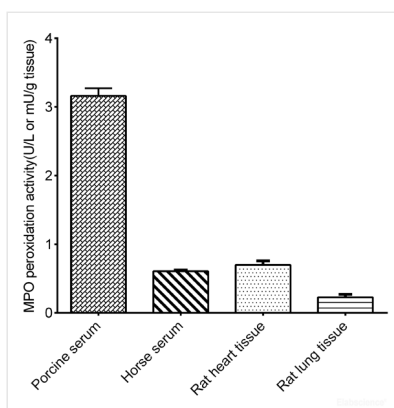
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Samples	Serum, plasma and tissue samples
Detection Range	0.001 - 1.26 U/L
Sensitivity	0.001 U/L
Preparation and Storage	Store at -20 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Related Product Information for MPO assay kit

Intended Uses: This kit can be used to detect Myeloperoxidase (MPO) Peroxidation activity in serum, plasma and tissue samples.

Principle of the Assay: Under the catalysis of peroxidase, hydrogen peroxide can oxidize the nonfluorescent probe into the fluorescent substance, and its fluorescence intensity is proportional to the total peroxidase activity in the sample. This kit specifically inhibits the peroxidase activity of MPO in the sample through an MPO enzyme inhibitor, thus distinguishing the peroxidase activity of MPO in the sample from that of other peroxidases.

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 (PMNs) 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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/myeloperoxidase-mpo-peroxidation/177769>