

Datasheet for ABIN6720134
Myeloperoxidase ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	Myeloperoxidase (MPO)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics: Synonyms: 84 kDa myeloperoxidase, 89 kDa myeloperoxidase, MPO, MPO Myeloperoxidase, Myeloperoxidase, Myeloperoxidase heavy chain, Myeloperoxidase light chain, PERM_HUMAN

Background: Myeloperoxidase(MPO) is a mammalian phagocyte hemoprotein thought to primarily mediate host defense reactions. It is abundantly expressed in neutrophils and secreted during their activation. Myeloperoxidase is part of the host defense system of human polymorphonuclear leukocytes, responsible for microbicidal activity against a wide range of organisms. It is located in the nucleus as well as in the cytoplasm. Intranuclear MPO may help to protect DNA against damage resulting from oxygen radicals produced during myeloid cell

Product Details

maturation and function.

Gene Name: MPO

Production: Natural and recombinant mouse MPO. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M16-T718

Target Details

Target: Myeloperoxidase (MPO)

Alternative Name: MPO ([MPO Products](#))

Gene ID: 17523

NCBI Accession: [NP_034954](#)

UniProt: [P11247](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse MPO standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse MPO standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Other Performance Data: DOE: 2-8° C- 2/7/18 -20° C - 8/8/18

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

