

## ARG82988 Human MPO / Myeloperoxidase ELISA Kit

Package: 96 wells  
Store at: 4°C or -20°C  
(depending on the component)

### Summary

Product Description	ARG82988 Human MPO / Myeloperoxidase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MPO / Myeloperoxidase in Plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	MPO / Myeloperoxidase
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31 pg/ml
Sample Type	Plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	50 µl
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

### Application Instructions

Assay Time	4.5 hours
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### Properties

Form	96 well
Storage instruction	Store components at 4°C or -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	MPO
Gene Full Name	myeloperoxidase
Background	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]
Function	Myeloperoxidase (MPO): Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO

catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity. [UniProt]

#### Highlight

Related products:

[MPO antibodies](#); [MPO ELISA Kits](#); [MPO Duos / Panels](#);

Related news:

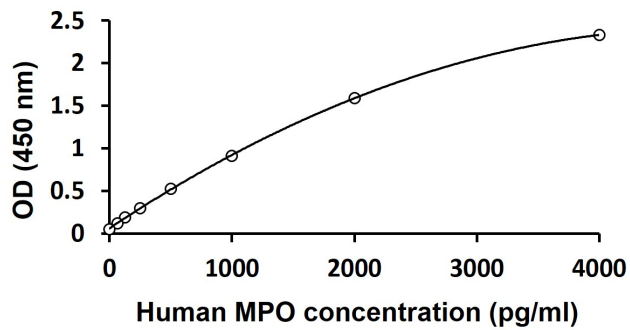
[Exploring Antiviral Immune Response](#)

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

#### Images

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ARG82988 Human MPO / Myeloperoxidase ELISA Kit standard curve image

ARG82988 Human MPO / Myeloperoxidase ELISA Kit results of a typical standard run with optical density reading at 450 nm.