

## ARG83835 Rat MPO / Myeloperoxidase ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG83835 Rat MPO / Myeloperoxidase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MPO / Myeloperoxidase in Serum, plasma and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	MPO / Myeloperoxidase
Conjugation	Biotin
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.44 ng/mL
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.78 - 50 ng/mL
Sample Volume	100 µl
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

### Application Instructions

Assay Time	4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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	This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosis cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
Function	Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.

[Uniprot]

PTM

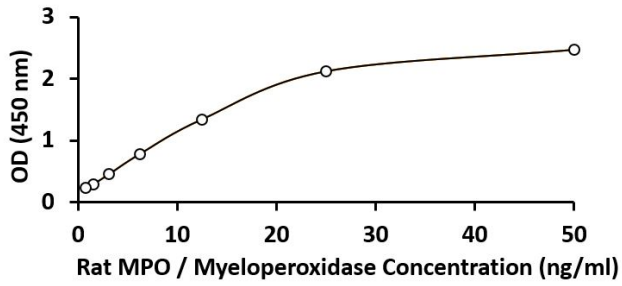
Glycoprotein. [Uniprot]

Cellular Localization

Extracellular matrix, Secreted. [Uniprot]

## Images

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ARG83835 Rat MPO / Myeloperoxidase ELISA Kit standard curve image

ARG83835 Rat MPO / Myeloperoxidase ELISA Kit results of a typical standard run with optical density reading at 450 nm.