

ARG80361 Human ANCA-P (MPO) ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80361 Human ANCA-P (MPO) ELISA Kit is an indirect solid phase enzyme immunoassay (ELISA) kit for the quantification of IgG class autoantibodies against myeloperoxidase (MPO) in human serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	ANCA-P
Conjugation	HRP
Sensitivity	0.5 U/ml
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	5 - 100 U/ml
Sample Volume	10 µl
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Assay Time	30, 15, 15, 5 min (RT)
------------	------------------------

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	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	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](#)

Research Area

Cancer kit; Cell Biology and Cellular Response kit; Immune System kit; Metabolism kit