

ARG82771 MPO / Myeloperoxidase Assay Kit (Fluorometric)

Package: 100 tests
Store at: -20°C

Summary

Product Description	ARG82771 MPO / Myeloperoxidase Assay Kit (Fluorometric) is a detection kit for the quantification of Myeloperoxidase peroxidation in cell lysate and tissue.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	MPO / Myeloperoxidase
Conjugation Note	λ ex/em = 530 / 585 nm (fluorometric)
Sensitivity	0.0025 U/L
Detection Range	0.0025 - 2 U/L
Sample Type	Cell lysate and tissue.
Sample Volume	20 μ l
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Application Note	Please note that this kit does not include a microplate.
Assay Time	< 1 hour

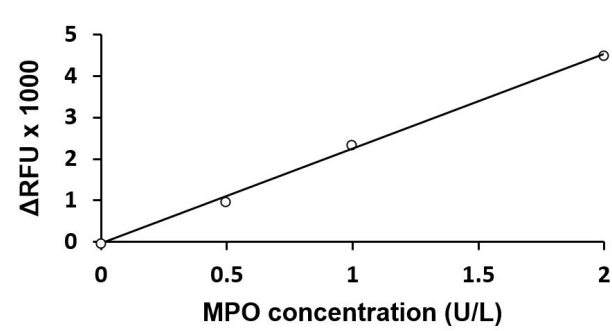
Properties

Form	Liquid
Storage instruction	Store the kit at -20°C. 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]

Images



ARG82771 MPO / Myeloperoxidase Assay Kit (Fluorometric) typical data demonstration image

ARG82771 MPO / Myeloperoxidase Assay Kit (Fluorometric) results of a typical standard, using fluorometric reading.