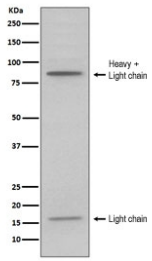
MPO Antibody / Myeloperoxidase [clone AOCF-13] (RQ5109)

Catalog No.	Formulation	Size
RQ5109	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AOCF-13
Purity	Affinity purified
UniProt	P05164
Applications	Western blot: 1:500-1:2000
Limitations	This MPO antibody is available for research use only.



Western blot testing of human HL60 cell lysate with MPO antibody. Expected molecular weight: 59-64 kDa (alpha chain, may be observed at higher molecular weights due to glycosylation), 150+ kDa (glycosylated mature form).

Description

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. [RefSeq]

Explore our Myeloperoxidase Antibody / Neutrophil Marker Antibody page for additional validation data and applications

involving neutrophil identification, myeloid lineage analysis, and innate immune cell detection.

Application Notes

Optimal dilution of the MPO antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Myeloperoxidase was used as the immunogen for the MPO antibody.

Storage

Store the MPO antibody at -20oC.

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