

## MPO Antibody (F42682)

Catalog No.	Formulation	Size
F42682-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42682-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P05164
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This MPO antibody is available for research use only.



MPO antibody western blot analysis in NCI-H460 lysate. 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. [provided by RefSeq].

## Application Notes

Titration of the MPO antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 548-575 from the human protein was used as the immunogen for this MPO antibody.

## **Storage**

Aliquot the MPO antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.