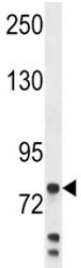
Anti-Myeloperoxidase Antibody (F43729)

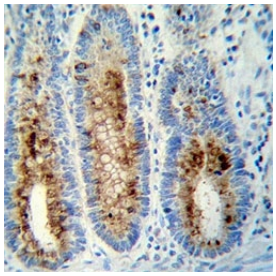
Catalog No.	Formulation	Size
F43729-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43729-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P05164
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This anti-Myeloperoxidase antibody is available for research use only.



Anti-Myeloperoxidase antibody western blot analysis in MDA-MB231 lysate. Expected molecular weight: 59-64 kDa (alpha chain, may be observed at higher molecular weights due to glycosylation), 150+ kDa (glycosylated mature form).



Anti-Myeloperoxidase antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue.

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 netrophils. [provided by 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

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

Immunogen

A portion of amino acids 420-448 from the human protein was used as the immunogen for this anti-Myeloperoxidase antibody.

Storage

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