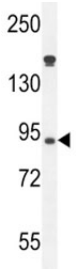
Myeloperoxidase Antibody (F41537)

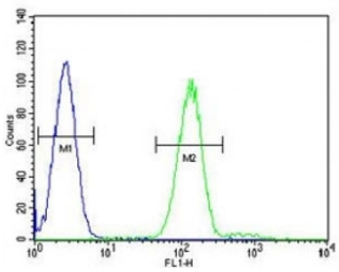
Catalog No.	Formulation	Size
F41537-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41537-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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 Flow Cytometry : 1:10-1:50
Limitations	This Myeloperoxidase antibody is available for research use only.



Myeloperoxidase antibody western blot analysis in HL-60 lysate. Expected molecular weight: 59-64 kDa (alpha chain, may be observed at higher molecular weights due to glycosylation), 150+ kDa (glycosylated mature form).



Myeloperoxidase antibody flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

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].

Application Notes

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

Immunogen

A portion of amino acids 60-89 from the human protein was used as the immunogen for this Myeloperoxidase antibody.

Storage

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