

# Anti-Myeloperoxidase Antibody

Mouse monoclonal antibody to Myeloperoxidase

Catalog # AP61619

## Product Information

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Application	IHC
Primary Accession	<a href="#">P05164</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	83869

## Additional Information

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Gene ID	4353
Other Names	Myeloperoxidase; MPO
Target/Specificity	Recognizes endogenous levels of Myeloperoxidase protein.
Dilution	IHC~~1:100~500
Format	Mouse IgG2b. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	MPO ( <a href="#">HGNC:7218</a> )
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 (PubMed: <a href="#">9922160</a> ). Mediates the proteolytic cleavage of alpha-1-microglobulin to form t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed: <a href="#">25698971</a> ).
Cellular Location	Lysosome.

## Background

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KLH-conjugated synthetic peptide encompassing a sequence within human Myeloperoxidase. The exact

sequence is proprietary.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.