

Myeloperoxidase Rabbit mAb

Catalog # AP75765

Product Information

Application WB, IHC-P, IHC-F, ICC

Primary Accession P05164
Reactivity Mouse, Rat
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 83869

Additional Information

Gene ID 4353

Other Names MPO

Dilution WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

Protein Information

Name MPO (HGNC:7218)

Function Part of the host defense system of polymorphonuclear leukocytes. It is

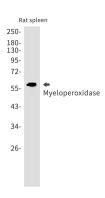
responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity (PubMed: 9922160). Mediates

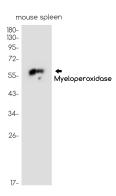
the proteolytic cleavage of alpha-1-microglobulin to form

t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed: <u>25698971</u>).

Cellular Location Lysosome.

Images





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