

MPO / Myeloperoxidase Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13596**Specification**

MPO / Myeloperoxidase Antibody - Product Information

Application	IHC-P
Primary Accession	P05164
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84kDa KDa
Dilution	IHC-P ~ ~ N/A

MPO / Myeloperoxidase Antibody - Additional Information**Gene ID** 4353**Other Names**

Myeloperoxidase, MPO, 1.11.2.2, Myeloperoxidase, 89 kDa myeloperoxidase, 84 kDa myeloperoxidase, Myeloperoxidase light chain, Myeloperoxidase heavy chain, MPO

Reconstitution & Storage

Stable for 24 months when stored at 2-8°C.

Precautions

MPO / Myeloperoxidase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MPO / Myeloperoxidase Antibody - 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:25698971).

Cellular Location

Lysosome.

Volume

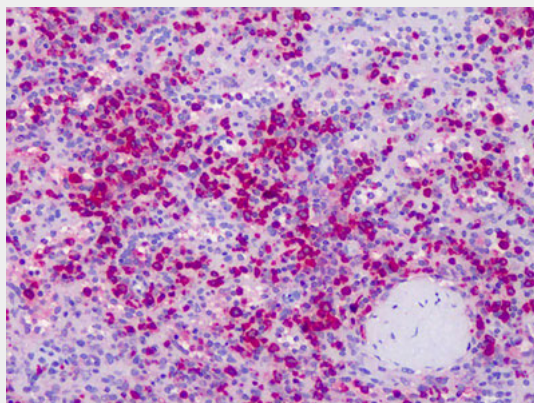
250 µl

MPO / Myeloperoxidase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MPO / Myeloperoxidase Antibody - Images



Anti-MPO / Myeloperoxidase antibody IHC of human spleen, neutrophils.

MPO / Myeloperoxidase Antibody - Background

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.

MPO / Myeloperoxidase Antibody - References

- Morishita K., et al. J. Biol. Chem. 262:3844-3851(1987).
Morishita K., et al. J. Biol. Chem. 262:15208-15213(1987).
Seto P., et al. J. Clin. Invest. 80:1205-1208(1987).
Johnson K.R., et al. Nucleic Acids Res. 15:2013-2028(1987).
Hashinaka K., et al. Biochemistry 27:5906-5914(1988).