

MPO / Myeloperoxidase Antibody (clone 3E11)
Mouse Monoclonal Antibody
Catalog # ALS16351**Specification**

MPO / Myeloperoxidase Antibody (clone 3E11) - Product Information

Application	WB, IHC-P, E
Primary Accession	P05164
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	84kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

MPO / Myeloperoxidase Antibody (clone 3E11) - 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

Target/Specificity

Human MPO / Myeloperoxidase

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MPO / Myeloperoxidase Antibody (clone 3E11) is for research use only and not for use in diagnostic or therapeutic procedures.

MPO / Myeloperoxidase Antibody (clone 3E11) - 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).

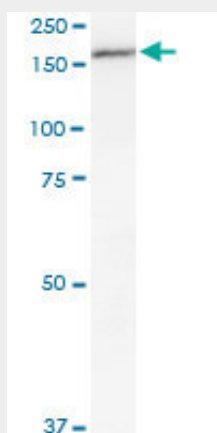
Cellular Location

Lysosome.

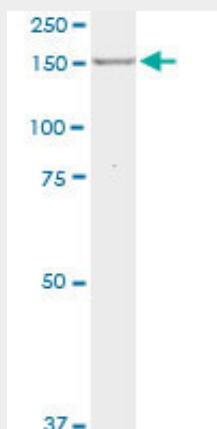
MPO / Myeloperoxidase Antibody (clone 3E11) - Protocols

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

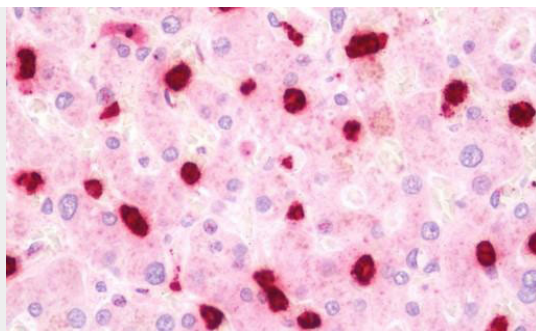
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MPO / Myeloperoxidase Antibody (clone 3E11) - Images

MPO monoclonal antibody (M01), clone 3E11. Western Blot analysis of MPO expression in Raw 264.7.



MPO monoclonal antibody (M01), clone 3E11. Western Blot analysis of MPO expression in Jurkat.



Anti-MPO / Myeloperoxidase antibody IHC staining of human liver.

MPO / Myeloperoxidase Antibody (clone 3E11) - 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 (clone 3E11) - 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).