

MPO Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13056b**Specification**

MPO Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P05164](#)**MPO Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 4353**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MPO Antibody (C-term) Blocking peptide - Protein Information**Name** MPO**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 potentially inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed:25698971).

Cellular Location

Lysosome.

MPO Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MPO Antibody (C-term) Blocking peptide - Images

MPO Antibody (C-term) Blocking peptide - Background

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 neutrophils. [provided by RefSeq].

MPO Antibody (C-term) Blocking peptide - References

Banerjee, M., et al. Toxicol. Appl. Pharmacol. 249(1):47-54(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Nahon, P., et al. Antioxid. Redox Signal. (2010) In press : Wang, Y., et al. J. Huazhong Univ. Sci. Technol. Med. Sci. 30(4):437-442(2010) Hua, F., et al. Zhongguo Fei Ai Za Zhi 13(2):122-127(2010)