



## Polyclonal Anti-Myeloperoxidase, **MPO** (Sepharose Bead Conjugate)

**Catalogue No.** PA1054-S

**Lot No.** 08A10

**Ig type:** rabbit IgG

**Size:** 100µg/vial

**Specificity**

Human, mouse, rat. No cross reactivity with other proteins.

**Recommended application**

(Immunoprecipitation(IP))

**Immunogen**

A synthetic peptide corresponding to a sequence mapping at the C-terminal of human MPO, identical to the related mouse and rat sequence.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

### BACKGROUND

Myeloperoxidase (MPO) is a mammalian phagocyte hemoprotein thought to primarily mediate host defense reactions. It is abundantly expressed in neutrophils and secreted during their activation. Myeloperoxidase is part of the host defense system of human polymorphonuclear leukocytes, responsible for microbicidal activity against a wide range of organisms. It is located in the nucleus as well as in the cytoplasm. Intranuclear MPO may help to protect DNA against damage resulting from oxygen radicals produced during myeloid cell maturation and function.

### REFERENCE

1. Klebanoff, S. J. : Myeloperoxidase. *Proc. Assoc. Am. Phys.* 111: 383-389, 1999.
2. Murao, S.-I.; Stevens, F. J.; Ito, A.; Huberman, E. : Myeloperoxidase: a myeloid cell nuclear antigen with DNA-binding properties. *Proc. Nat. Acad. Sci.* 85: 1232-1236, 1988.
3. Nauseef, W. M.; Olsson, I.; Arnlijots, K. : Biosynthesis and processing of myeloperoxidase--a marker for myeloid cell differentiation. *Europ. J. Haemat.* 40: 97-110, 1988.

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