



## Product Information Sheet

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

**Catalogue No.** PA1054-M

**Lot No.** 08A12

**Ig type:** rabbit IgG1

**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.

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Description:**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

### 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.; Arnljots, K. : Biosynthesis and processing of myeloperoxidase--a marker for myeloid cell differentiation. *Europ. J. Haemat.* 40: 97-110, 1988.

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