



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 NaN₃.

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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