

Anti-Myeloperoxidase/MPO Antibody Picoband® Cy3 Conjugated

Catalog Number: PA1054-Cy3

About MPO

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.

Overview

Product Name	Anti-Myeloperoxidase/MPO Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P05164

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MPO, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

6 Publications Citing This Product

1. PubMed ID: -, Wei Gao, Qiushi Huang, Ting Qin et al. HSP60 regulates monosodium urate crystal-induced inflammation by activating the TLR4-NF-kappa B-MyD88 signaling pathway and disrupting mitochondrial function, 30 April 2020, PREPRINT (Version 1) available at Research Square
2. PubMed ID: 27557503, Protective effects of Huangqin Decoction against ulcerative colitis and associated cancer in mice
3. PubMed ID: 28765694, Lactobacillus acidophilus alleviates pouchitis after ileal pouch-anal anastomosis in rats

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