

Product datasheet

PE Anti-Myeloperoxidase antibody [MPO421-8B2] ab269283

[1 Image](#)

Overview

Product name	PE Anti-Myeloperoxidase antibody [MPO421-8B2]
Description	PE Mouse monoclonal [MPO421-8B2] to Myeloperoxidase
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Full length protein corresponding to Human Myeloperoxidase.
Positive control	Flow Cyt (Intra): Human peripheral blood.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Clonality	Monoclonal
Clone number	MPO421-8B2

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab269283 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use 10µg for 10 ⁶ cells. Or 100 µL of whole blood.

Target

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.

Involvement in disease

Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.

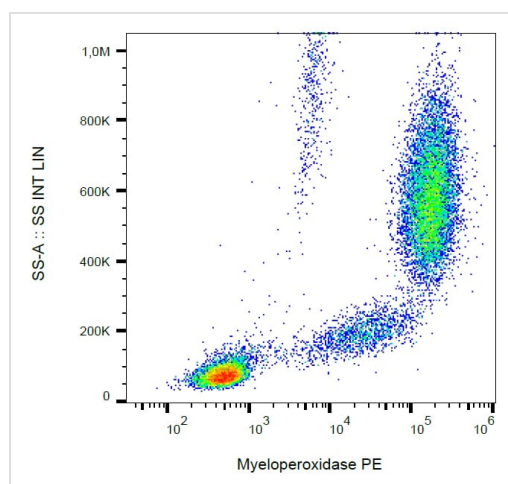
Sequence similarities

Belongs to the peroxidase family. XPO subfamily.

Cellular localization

Lysosome.

Images



Flow cytometry analysis (intracellular staining) of human peripheral blood labeling Myeloperoxidase with ab269283.

Flow Cytometry (Intracellular) - PE Anti-Myeloperoxidase antibody [MPO421-8B2] (ab269283)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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