abcam

Product datasheet

FITC Anti-Myeloperoxidase antibody [2D4] ab90812

25 References 1 Image

Overview

Product name	FITC Anti-Myeloperoxidase antibody [2D4]
Description	FITC Mouse monoclonal [2D4] to Myeloperoxidase
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt (Intra) **Unsuitable for:** IHC-P or WB
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow Cyt (Intra): Wehi3BD+ cells.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
Purification notes	ab90812 is 0.2 µm filtered
Clonality	Monoclonal
Clone number	2D4
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab90812 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)		1/50. **ab91356** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for IHC-P or WB.

Target

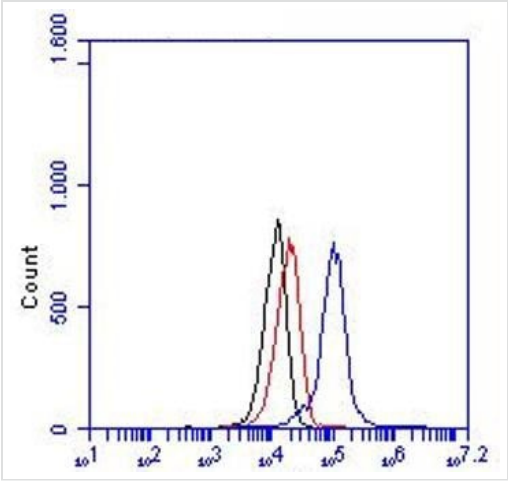
Function Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates 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 (Intracellular) - FITC Anti-Myeloperoxidase antibody [2D4] (ab90812)

Detection of MPO in Wehi3BD+ cells. Red, black and blue line represent the isotype control, cells only and ab90812 at 20 µg/ml, respectively.

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