

Product datasheet

Anti-Myeloperoxidase antibody [2D4] (FITC) ab90812

13 References 1 Image

Overview

Product name	Anti-Myeloperoxidase antibody [2D4] (FITC)
Description	Mouse monoclonal [2D4] to Myeloperoxidase (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt Unsuitable for: IHC-P or WB
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Full length native protein (purified) corresponding to Mouse Myeloperoxidase. Purified from WEHI-3 cells.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
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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

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.

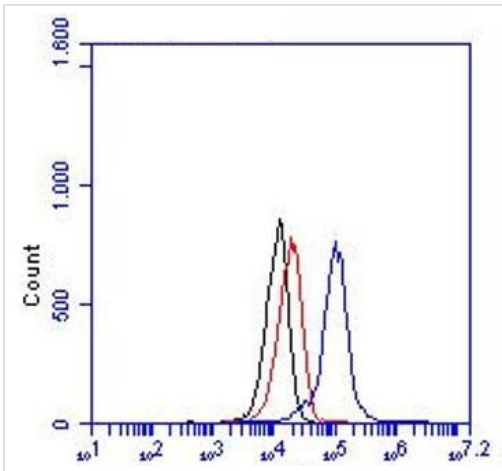
Application	Abreviews	Notes
Flow Cyt		1/50. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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



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

Flow Cytometry - Anti-Myeloperoxidase antibody
[2D4] (FITC) (ab90812)

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