


# Anti-Myeloperoxidase antibody [8F4] ab16886

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### Overview

<b>Product name</b>	Anti-Myeloperoxidase antibody [8F4]
<b>Description</b>	Mouse monoclonal [8F4] to Myeloperoxidase
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mouse Myeloperoxidase.
<b>Positive control</b>	Neutrophils isolated from digested infarcts Flow Cyt (Intra): Wehi3BD+ cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purification notes</b>	0.2 µm filtered
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	8F4
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab16886 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)		1/10. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 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.

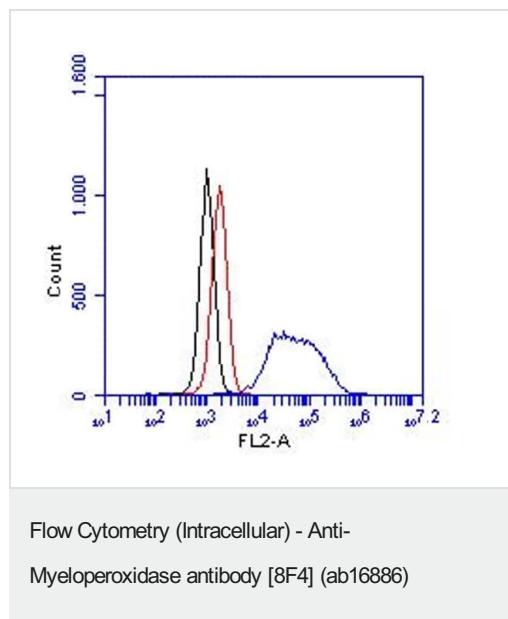
### Sequence similarities

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 ab16886 at 10 µg/ml, respectively.

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

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