


# Anti-Myeloperoxidase antibody [2D4] ab90810

[1 Abreviews](#) [19 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-Myeloperoxidase antibody [2D4]
<b>Description</b>	Mouse monoclonal [2D4] to Myeloperoxidase
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF <b>Unsuitable for:</b> IHC-P or WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
<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 and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	ab90810 is provided as a 0.2 µm filtered solution.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2D4
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab90810 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
ICC/IF		1/50.

## 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.

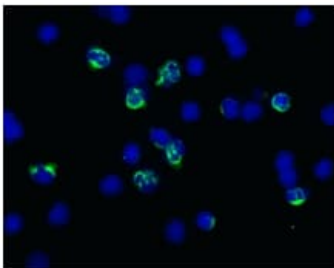
### Sequence similarities

Belongs to the peroxidase family. XPO subfamily.

### Cellular localization

Lysosome.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-Myeloperoxidase antibody [2D4] (ab90810)

ab90810 at 1/50 dilution staining Myeloperoxidase in rat white blood cells by Immunocytochemistry/ Immunofluorescence. Image shows green staining with ab90810 in neutrophils and monocytes.

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

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