


## Product datasheet

# Anti-Myeloperoxidase antibody ab9535

★★★★☆ [35 Abreviews](#) [299 References](#) [2 Images](#)

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Myeloperoxidase antibody   |
| <b>Description</b>         | Rabbit polyclonal to Myeloperoxidase  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> ICC, IHC-P   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse    |
| <b>Immunogen</b>           | Full length native protein (purified) corresponding to Human Myeloperoxidase. Myeloperoxidase isolated from human granulocytes.<br>Database link: <a href="#">P05164</a>  |
| <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

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|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.3<br>Preservative: 0.05% Sodium azide<br>Constituent: 1% BSA  |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Polyclonal  |
| <b>Myeloma</b>              | unknown   |
| <b>Isotype</b>              | IgG   |
| <b>Light chain type</b>     | unknown   |

## Applications

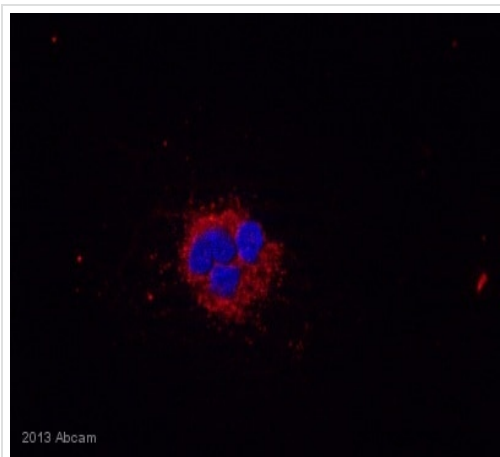
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab9535 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews  | Notes                                    |
|-------------|------------|--|
| ICC         |            | Use at an assay dependent concentration. |
| IHC-P       | ★★★★★ (27) | 1/25 - 1/50.                             |

## Target

|                               |   |
|-------------------------------|---|
| <b>Function</b>               | 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. |
| <b>Involvement in disease</b> | Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.   |
| <b>Sequence similarities</b>  | Belongs to the peroxidase family. XPO subfamily.  |
| <b>Cellular localization</b>  | Lysosome.   |

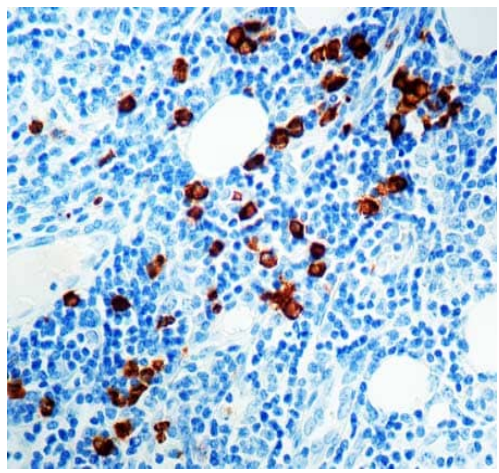
## Images



Ab9535 staining of multinucleated cell (Blue) in human blood smear. Antibody was used at 1/200 for 1 hour at 21°C.

Immunocytochemistry - Anti-Myeloperoxidase antibody (ab9535)

Image courtesy of Carl Hobbs, Kings College London, U.K



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human B cell lymphoma tissue, staining Myeloperoxidase with ab9535.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myeloperoxidase antibody (ab9535)

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

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