

# Mouse anti-Human Myeloperoxidase Monoclonal Antibody | anti-MPO antibody

Anti-Myeloperoxidase Antibody

|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA293410</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

## PRODUCT SYNONYMS

Myeloperoxidase; Monoclonal Antibody; Anti-Myeloperoxidase Antibody; MPO; anti-MPO antibody

## PRODUCT SPECIFICATIONS

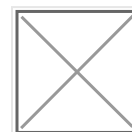
|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                 |
| Reactivity                                    | Human                                                                                                                                                 |
| Clonality                                     | Monoclonal                                                                                                                                            |
| Specificity                                   | Recognizes endogenous levels of Myeloperoxidase protein.                                                                                              |
| Applicable Applications for anti-MPO antibody | IHC (Immunohistochemistry)                                                                                                                            |
| Cellular Location                             | Lysosome                                                                                                                                              |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

## IMAGES



### IF (Immunofluorescence)

Dilution: IF IH (1/100 - 1/300) Immunohistochemical analysis of Myeloperoxidase staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### IHC (Immunohistochemistry)

Dilution: IH: (1/100 - 1/300) Immunohistochemical analysis of Myeloperoxidase staining in human spleen formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## ADDITIONAL INFORMATION

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|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MPO antibody | <p>Mouse monoclonal antibody to Myeloperoxidase</p> <p>KLH-conjugated synthetic peptide encompassing a sequence within human Myeloperoxidase. The exact sequence is proprietary.</p> <p>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.</p> |
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## NCBI AND UNIPROT INFORMATION

|             |        |
|-------------|--------|
| NCBI GI #   | 188658 |
| NCBI GeneID | 4353   |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| UniProt Accession #              | P05164; Q14862; Q4PJH5; Q9UCL7; A1L4B8 |
| Molecular Weight                 | 83,869 Da                              |
| NCBI Official Full Name          | myeloperoxidase                        |
| NCBI Official Synonym Full Names | myeloperoxidase                        |
| NCBI Official Symbol             | MPO                                    |
| NCBI Protein Information         | myeloperoxidase                        |
| UniProt Protein Name             | Myeloperoxidase                        |
| UniProt Gene Name                | <b>MPO</b>                             |
| UniProt Synonym Gene Names       | MPO                                    |
| UniProt Entry Name               | PERM_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/myeloperoxidase-antibody-immunohistochemistry-elisa/293410>