Overview

Product name: Anti-Myeloperoxidase antibody [EPR4793]
Description: Rabbit monoclonal [EPR4793] to Myeloperoxidase
Host species: Rabbit
Specificity: The antibody recognizes Myeloperoxidase (85-90 kDa) and its heavy chain (60 kDa).
Tested applications:
- Suitable for: WB, IHC-P, Flow Cyt, ICC/IF
- Unsuitable for: IP
Species reactivity: Reacts with: Human
Immunogen: A synthetic peptide corresponding to residues near the C terminus of Human Myeloperoxidase
Positive control: HL 60 cell lysate; Paraffin embedded Human colon, lung and spleen tissue
General notes: Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C.
Storage buffer: Preservative: 0.05% Sodium azide
Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity: Tissue culture supernatant
Clonality: Monoclonal
Clone number | EPR4793  
Isotype | IgG  

Applications

Our Abpromise guarantee covers the use of ab134132 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td></td>
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<tr>
<td>ICC/IF</td>
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<td></td>
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</tbody>
</table>

Application notes

Is unsuitable for IP.

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
Anti-Myeloperoxidase antibody [EPR4793] (ab134132) at 1/1000 dilution + HL 60 cell lysate at 10 µg

**Predicted band size:** 83 kDa

Immunohistochemical analysis of paraffin embedded Human colon tissue labelling Myeloperoxidase with ab134132 at 1/250 dilution

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemical analysis of paraffin embedded Human lung tissue labelling Myeloperoxidase with ab134132 at 1/250 dilution

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Immunohistochemical analysis of paraffin embedded Human spleen tissue labelling Myeloperoxidase with ab134132 at 1/250 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemical analysis of paraffin embedded normal Human lung tissue using ab134132 showing +ve staining. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemical analysis of paraffin embedded normal Human liver tissue using ab134132 showing +ve staining. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Immunohistochemical analysis of paraffin embedded Human Bone marrow tissue using ab134132 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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