**Product datasheet**

**Anti-Myeloperoxidase antibody ab9535**

- **Product name**: Anti-Myeloperoxidase antibody
- **Description**: Rabbit polyclonal to Myeloperoxidase
- **Host species**: Rabbit
- **Tested applications**: Suitable for: IHC-P, IHC-Fr, ICC/IF, IHC-FoFr
- **Species reactivity**: Reacts with: Mouse, Rat, Human, Pig, Monkey
- **Immunogen**: Myeloperoxidase isolated from human granulocytes.

**Properties**

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

**Applications**

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/25 - 1/50.</td>
</tr>
</tbody>
</table>
**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

**Evaluation of neutrophilic lung infiltration**  
Illustrative microscopic views (magnification 200x) of immunohistochemistry myeloperoxidase marked lung sections at baseline and at 5 hours after Cushing reflex in the BD and the BD + Corticosteroids pretreated pigs.

- **ab9535** used at 1/100 dilution.

(After Figure 4 B of Belhaj et al)

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

### Application | Abreviews | Notes
---|---|---
IHC-Fr | | 1/100.
ICC/IF | | Use at an assay dependent concentration.
IHC-FoFr | | Use at an assay dependent concentration.

### Notes

- IHC-Fr: Intensity 3/3
- ICC/IF: Intensity 4/4
- IHC-FoFr: Intensity 4/4
Immunohistochemistry (Frozen sections) of Mouse stomach tissue labelling Myeloperoxidase with ab9535 at 5%.

ab9535 staining Myeloperoxidase in paraffin-embedded rat tissue sections by IHC-P (formaldehyde-fixed paraffin-embedded Immunohistochemistry). Tissue was fixed with formaldehyde and blocked with 20% serum for 1 hour at 24°C; antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were incubated with primary antibody (1/50 in milken) for 1 hour at 24°C. A Biotin-conjugated goat anti rabbit polyclonal (1/500) was used as secondary antibody.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human B cell lymphoma tissue, staining Myeloperoxidase with ab9535.
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors