# Myeloperoxidase Polyclonal Antibody

## Product Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>100 µL</td>
</tr>
<tr>
<td>Species Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Host/Isotope</td>
<td>Rabbit / IgG</td>
</tr>
<tr>
<td>Class</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Type</td>
<td>Antibody</td>
</tr>
<tr>
<td>Conjugate</td>
<td>Unconjugated</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Myeloperoxidase from human white cells.</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Concentration</td>
<td>85 mg/mL</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>0.02M potassium phosphate, pH 7.2, with 0.15M NaCl</td>
</tr>
<tr>
<td>Contains</td>
<td>0.01% sodium azide</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.</td>
</tr>
<tr>
<td>RRID</td>
<td>AB_794990</td>
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</tbody>
</table>

## Applications

- **ELISA (ELISA)**
  - Tested Dilution: 1:5,000-1:20,000
  - Publications: -

- **Immunoprecipitation (IP)**
  - Tested Dilution: 1:100
  - Publications: -

- **Western Blot (WB)**
  - Tested Dilution: 1:500-1:5,000
  - Publications: -

## Product Specific Information

PA1-26402 detects Myeloperoxidase from human samples.
Myeloperoxidase Antibody (PA1-26402)
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Myeloperoxidase Polyclonal Antibody (Product # PA1-26402), shows decreased expression of proteins in HL-60 cell line upon Retinoic Acid treatment (doi:10.1016/0026-265X(89)90052-0). Cell treatment validation info.

Myeloperoxidase Antibody (PA1-26402)
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues and cell lines tested owing to their inherent genetic constitution. Relative expression of MPO was observed in HL-60 in comparison to K-562, HeLa and was also observed in Mouse Bone Marrow when compared to Mouse Spleen using Anti-Myeloperoxidase Polyclonal Antibody (Product # PA1-26402) in Western Blot. Relative expression validation info.

Product Images For Myeloperoxidase Polyclonal Antibody

Myeloperoxidase Antibody (PA1-26402) in WB
Western blot was performed using Anti-Myeloperoxidase Rabbit Polyclonal Antibody (Product # PA1-26402) and 87 kDa, 73 kDa and 60 kDa bands corresponding to MPO was observed across cell lines and tissues tested except K-562, HeLa and Mouse Spleen. Membrane enriched extracts (30 µg lysate) of HL-60 (Lane 1), HL-60 treated with Retinoic Acid (1µM for 72 hr) (Lane 2), K-562 (Lane 3), HeLa (Lane 4), tissue extracts (30 µg lysate) of Mouse Spleen (Lane 5) and Mouse Bone Marrow (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1500 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).