## Eosinophil Peroxidase (EPO) - Human Eosinophils

**ART Catalog No. 16-15-160518**

**Gel Scan of Representative Lot**

<table>
<thead>
<tr>
<th>SDS-PAGE</th>
<th>Description</th>
<th>Amount (µg)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EPO -</td>
<td>5</td>
<td>non-reduced / no heat</td>
</tr>
<tr>
<td>2</td>
<td>EPO -</td>
<td>10</td>
<td>non-reduced / no heat</td>
</tr>
<tr>
<td>3</td>
<td>EPO -</td>
<td>20</td>
<td>non-reduced / no heat</td>
</tr>
<tr>
<td>4</td>
<td>BMW Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Molecular Weight: 97.4 kDa
- Physical Specifications:
  - Lyophilized
  - Purity: ≥ 95% by SDS-PAGE
- Considerations:
  - Storage Conditions: ≤ -20°C
  - Stability > 1 year
  - Buffer: 20mM NaH2PO4, pH 7.5, and 150 mM NaCl
- Protein Determination:
  - Based on a Molar E.C. @ 413 mM of 110,000 M-1 Cm -1
- Activity: ≥ 180 units per mg protein after lyophilization

**Graphical Representation:**

- Molecular weight markers (97.4 kDa, 66.2 kDa, 45.0 kDa, 31.0 kDa, 21.5 kDa, 14.4 kDa, 6.5 kDa, 116.2 kDa, 200.0 kDa) are shown.
**Product:** Eosinophil Peroxidase, Human Eosinophils (EPO)

**Catalog Number:** 16-15-160518

**Description:** Lyophilized

**Buffer:** 20 mM NaH2PO4, pH 7.5, and 150 mM NaCl

**Purity:** >=95% by SDS-PAGE

**Molecular Weight:** MW 70,500

**Protein Determination:** Based on a Molar E.C. @ 413 mM of 110,000 M-1 Cm -1

**Storage:** <= -20 oC

**Stability:** > 1 year

**Available Packaging:** 1 mg per vial

**Source:** Whole Blood

**Testing:** Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

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**Athens Research & Technology**

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**USA**
Certificate of Origin

Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose. For research use or for use in further manufacturing.

Athens Research & Technology

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Product Name: Eosinophil Peroxidase, Human Eosinophils
Catalog Number: 16-15-160518
Lot Number: Information applies to all lots produced.

Manufacturing Information: The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System.

Manufacturing Site: Athens Research & Technology Inc., Athens, Georgia, USA

Raw Material Information: The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.

Country of Origin (manufacturing): United States
Biological Source Material (COO): United States

Donor Consent: The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.

ISO9001:2008