**Product datasheet**

**Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3 ab9674**

1 References

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**Description**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endotoxin level</td>
<td>&lt; 0.100 Eu/µg</td>
</tr>
<tr>
<td>Expression system</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Recombinant</td>
</tr>
<tr>
<td>Species</td>
<td>Human</td>
</tr>
<tr>
<td>Predicted molecular weight</td>
<td>10 kDa</td>
</tr>
</tbody>
</table>

**Specifications**

Our Abpromise guarantee covers the use of ab9674 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications**

- Functional Studies
- SDS-PAGE

**Form**

- Lyophilized

**Additional notes**

The biological activity of this product is determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.

**Preparation and Storage**

**Stability and Storage**

- Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution**

- Please reconstitute this product in 200ul water.

**General Info**
| **Function** | Monokine with inflammatory and chemokinetic properties. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). |
| **Sequence similarities** | Belongs to the intercrine beta (chemokine CC) family. |
| **Post-translational modifications** | N-terminal processed form LD78-alpha(4-69) is produced by proteolytic cleavage after secretion from HTLV1-transformed T-cells. |
| **Cellular localization** | Secreted. |

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

**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

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