

## Product datasheet

# Recombinant human Macrophage Inflammatory Protein 1 beta ab9676

### Overview

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<b>Product name</b>	Recombinant human Macrophage Inflammatory Protein 1 beta
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Accession</b>	<a href="#">P13236</a>
<b>Species</b>	Human
<b>Sequence</b>	APMGSDPPTA CCFSYTARKL PHNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSES WVQ EYVDLELN
<b>Molecular weight</b>	8 kDa
<b>Amino acids</b>	24 to 92

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab9676** in the following tested applications.

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

<b>Biological activity</b>	The biological activity of this product is determined by its ability to chemoattract human monocytes using a concentration range of 5.0 - 20.0 ng/mL.
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<b>Applications</b>	Functional Studies SDS-PAGE
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<b>Endotoxin level</b>	< 0.100 Eu/μg
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<b>Purity</b>	> 99 % SDS-PAGE. Sterile filtered. Greater than 99% by SDS-PAGE and HPLC analyses.
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<b>Form</b>	Lyophilised
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### Preparation and Storage

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<b>Stability and Storage</b>	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.  n/a  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Please reconstitute in 100ul sterile water.

## General Info

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<b>Function</b>	Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.
<b>Sequence similarities</b>	Belongs to the intercrine beta (chemokine CC) family.
<b>Post-translational modifications</b>	N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- 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.

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