

## Datasheet: AHP789B

<b>Description:</b>	RABBIT ANTI HUMAN MIP-3 BETA:Biotin
<b>Specificity:</b>	MIP-3 BETA
<b>Other names:</b>	CCL19
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.15 - 0.30ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Antiserum Preparation</b>	Antisera to human MIP-3 beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human MIP-3 beta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q99731</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6363</a>    CCL19    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ELC, MIP3B, SCYA19
<b>RRID</b>	AB_2071416
<b>Specificity</b>	<p><b>Rabbit anti Human MIP-3 beta antibody</b> recognizes human MIP-3 beta, (Macrophage Inflammatory Protein 3 beta), otherwise known as CCL19, a 77 amino acid CC chemokine expressed at high levels in the thymus and lymph nodes and to a lesser extent in the spleen, kidney, lungs, small intestine and stomach.</p> <p>MIP-3 beta acts as a chemoattractant for T and B lymphocytes, dendritic cells, NK cells and myeloid progenitor cells, through specific binding to CCR7, a G-protein coupled receptor known to be up-regulated by Epstein-Barr virus infected B cells and herpesvirus infected T cells. A correlation between the response to MIP-3 beta and the level of CCR7 expression and has been revealed in the maturation of dendritic cells (DCs), and increased levels of both MIP-3 beta and CCR7 expression have been shown in bronchoalveolar lavage fluid (BALF) and BALF cells from patients with the granulomatous disorder sarcoidosis, associated predominantly with CD4+ T lymphocyte alveolitis, and hence T cell recruitment.</p>
<b>Further Reading</b>	1. Yoshida, R. <i>et al.</i> (1997) Molecular cloning of a novel human CC chemokine EBI1-ligand chemokine that is a specific functional ligand for EBI1, CCR7. <a href="#">J Biol Chem. 272 (21): 13803-9.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10294 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP789B>  
10294

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**Regulatory**

For research purposes only

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'M399105:220628'

**Printed on 12 Aug 2023**

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