

## Datasheet: AHP789

<b>Description:</b>	RABBIT ANTI HUMAN MIP-3 BETA
<b>Specificity:</b>	MIP-3 BETA
<b>Other names:</b>	CCL19
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			2.7 - 4.0ug/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 - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add azide.
<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</b>	None present

**Stabilisers**

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** Recombinant human MIP-3 beta.

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**External Database Links****UniProt:**

[Q99731](#) [Related reagents](#)

**Entrez Gene:**

[6363](#) CCL19 [Related reagents](#)

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**Synonyms** ELC, MIP3B, SCYA19

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**RRID** AB\_808661

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**Specificity**

**Rabbit anti Human MIP-3 beta antibody** 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.

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.

**Further Reading**

1. Yoshida, R. *et al.* (1997) Molecular cloning of a novel human CC chemokine EBI1-ligand chemokine that is a specific functional ligand for EBI1, CCR7. [J Biol Chem. 272 \(21\): 13803-9.](#)

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**Storage**

Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety**

Material Safety Datasheet documentation #10294 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP789>  
10294

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M399152:220628'

**Printed on 18 Jan 2024**

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