

Datasheet: AHP789B

Description:	RABBIT ANTI HUMAN MIP-3 BETA:Biotin
Specificity:	MIP-3 BETA
Other names:	CCL19
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 1.0ml 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.
Antiserum Preparation	Antisera to human MIP-3 beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 50ug/ml

Immunogen Recombinant human MIP-3 beta.

**External Database
Links**

UniProt:

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

Entrez Gene:

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

Synonyms

ELC, MIP3B, SCYA19

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.](#)

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10162 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

**North & South
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M279533:160115'

Printed on 20 Mar 2018