

Datasheet: AHP789

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

	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.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	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.
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 1.0mg/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	<p>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.</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>
Further Reading	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. J Biol Chem. 272 (21): 13803-9.
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>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.</p>
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	<p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800

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