

Datasheet: AHP1043

**BATCH NUMBER 156335**

<b>Description:</b>	RABBIT ANTI HUMAN MIP-1 BETA
<b>Specificity:</b>	MIP-1 BETA
<b>Other names:</b>	CCL4
<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 (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			1.75 - 3.0ug/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.

**Antiserum Preparation** Antisera to human MIP-1 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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human MIP-1 beta.
External Database Links	<p><b>UniProt:</b>  <a href="#">P13236</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6351</a>    CCL4    <a href="#">Related reagents</a></p>
Synonyms	LAG1, MIP1B, SCYA4
RRID	AB_808652
Specificity	<p><b>Rabbit anti Human MIP-1 beta antibody</b> recognizes human MIP-1 beta, otherwise known as CCL4, a 69 amino acid member of the CC chemokine family, shown to signal through the chemokine receptors CCR1, CCR2 and CCR5.</p> <p>MIP-1 beta is involved in host defence against invading pathogens, acting as a regulator of activation and trafficking of inflammatory cells, such as monocytes, B cells, NK cells, neutrophils, dendritic cells and CD4+ lymphocytes.</p> <p>The secretion of MIP-1 beta by CD8+ lymphocytes has been shown to act as a major HIV-suppressive factor (HIV-SF) through binding to CCR5, identified as a coreceptor for HIV-1 target cell entry.</p>
References	1. Cocchi, F. <i>et al.</i> (1995) Identification of RANTES, MIP-1 alpha, and MIP-1 beta as the major HIV-suppressive factors produced by CD8+ T cells. <a href="#">Science. 270 (5243): 1811-5.</a>
Further Reading	1. Menten, P. <i>et al.</i> (2002) Macrophage inflammatory protein-1. <a href="#">Cytokine Growth Factor Rev. 13 (6): 455-81.</a>
Storage	<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>
Guarantee	12 months from date of despatch

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1043">https://www.bio-rad-antibodies.com/SDS/AHP1043</a> 10162
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

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)  
 'M372469:200706'

**Printed on 18 Jan 2024**