

## Datasheet: AHP787

<b>Description:</b>	GOAT ANTI HUMAN MIP-1 ALPHA
<b>Specificity:</b>	MIP-1 ALPHA
<b>Other names:</b>	CCL3
<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

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 - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Antiserum Preparation</b>	Antisera to human MIP-1 alpha were raised by repeated immunisations of goats 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 1.0mg/ml

<b>Immunogen</b>	Recombinant human MIP-1 alpha.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10147</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6348</a>   CCL3   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	G0S19-1, MIP1A, SCYA3
<b>RRID</b>	AB_808645
<b>Specificity</b>	<p><b>Goat anti Human MIP-1 alpha antibody</b> recognizes human MIP-1 alpha, otherwise known as CCL3, a 69 amino acid member of the CC chemokine family which plays a critical role in haematopoiesis and is shown to signal through the chemokine receptors CCR1, CCR4 and CCR5.</p> <p>MIP-1 alpha is also involved in host defence against invading pathogens, acting as a regulator of activation and trafficking of inflammatory cells, such as macrophages, NK cells, granulocytes, dendritic cells and CD8+ lymphocytes. The recruitment of inflammatory cells by MIP-1 alpha, has been linked with the pathogenesis of several diseases, including rheumatoid arthritis, <i>H. pylori</i> associated gastritis and bacterial meningitis.</p> <p>The secretion of MIP-1 alpha by CD8+ lymphocytes acts as a major HIV-suppressive factor (HIV-SF) through binding to CCR5, identified as a coreceptor for HIV-1 target cell entry.</p>
<b>References</b>	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>
<b>Further Reading</b>	1. Menten, P. <i>et al.</i> (2002) Macrophage inflammatory protein-1. <a href="#">Cytokine Growth Factor Rev. 13 (6): 455-81.</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
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

'M372557:200706'

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