

Datasheet: AHP787

Description:	GOAT ANTI HUMAN MIP-1 ALPHA
Specificity:	MIP-1 ALPHA
Other names:	CCL3
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

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.
Antiserum Preparation	Antisera to human MIP-1 alpha were raised by repeated immunisations of goats 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-1 alpha.

**External Database
Links**

UniProt:

[P10147](#) [Related reagents](#)

Entrez Gene:

[6348](#) CCL3 [Related reagents](#)

Synonyms

G0S19-1, MIP1A, SCYA3

Specificity

Goat anti Human MIP-1 alpha antibody 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.

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, *H. pylori* associated gastritis and bacterial meningitis.

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.

References

1. Cocchi, F. *et al.* (1995) Identification of RANTES, MIP-1 alpha, and MIP-1 beta as the major HIV-suppressive factors produced by CD8+ T cells. [Science. 270 \(5243\): 1811-5.](#)

Further Reading

1. Menten, P. *et al.* (2002) Macrophage inflammatory protein-1. [Cytokine Growth Factor Rev. 13 \(6\): 455-81.](#)

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

Related Products

Recommended Secondary Antibodies

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

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