

Datasheet: MCA5985GA

Description:	MOUSE ANTI HUMAN IP-10
Specificity:	IP-10
Other names:	CXCL10
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A02-1E10
Isotype:	IgG2b
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
ELISA	■			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from serum free tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 22-98 of human IP-10
External Database Links	<p>UniProt: P02778 Related reagents</p> <p>Entrez Gene: 3627 CXCL10 Related reagents</p>

Synonyms	INP10, SCYB10
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 myeloma cell line
Specificity	<p>Mouse anti Human IP-10, clone A02-1E10 recognizes the chemokine IP-10. IP-10, also known as CXCL10, is a small cytokine belonging to the CXC chemokine family. IP-10 cDNA encodes a 98 amino acid protein which is cleaved and secreted from a wide variety of cell types in response to interferon gamma and other inflammatory cytokines (Ohmori & Hamilton 1995).</p> <p>IP-10 exerts its biological effects mainly via binding to CXCR3 (van den Borne et al. 2014). Also, CXCR3-independent pathways have been studied for IP-10/CXCL10 involving binding to heparan sulfate glycosaminoglycans (GAGs). IP-10 not only induces chemoattraction of inflammatory cells, but also migration and proliferation of endothelial cells and VSMCs (Wang et al. 1996).</p>
Further Reading	<ol style="list-style-type: none"> van den Borne, P. <i>et al.</i> (2014) The multifaceted functions of CXCL10 in cardiovascular disease Biomed Res Int. 2014: 893106. Ohmori, Y. & Hamilton, T.A. (1994) Cell type and stimulus specific regulation of chemokine gene expression Biochem Biophys Res Commun. 198: 590-6. Wang, X. <i>et al.</i> (1996) Interferon-inducible protein-10 involves vascular smooth muscle cell migration, proliferation, and inflammatory response J Biol Chem. 271: 24286-93.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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