

Datasheet: AHP782

Description:	RABBIT ANTI HUMAN IP-10
Specificity:	IP-10
Other names:	CXCL10
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 (1)	▪			1.0ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays			▪	

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.

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. NB: For functional studies do not add azide.
Antiserum Preparation	Antisera to human IP-10 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 1.0 mg/ml after reconstitution

Immunogen	Recombinant human IP-10.
External Database Links	<p>UniProt: P02778 Related reagents</p> <p>Entrez Gene: 3627 CXCL10 Related reagents</p>
Synonyms	INP10, SCYB10
Specificity	<p>Rabbit anti Human IP-10 antibody recognizes human IP-10 (10-kDa interferon-inducible protein), otherwise known as CXCL10, a 77 amino acid CXC chemokine which, like monokine induced by IFN-gamma (Mig) and IFN-inducible T-cell alpha-chemoattractant (I-TAC), signals through the CXCR3 receptor.</p> <p>IP-10 acts as a chemoattractant for Th1 lymphocytes and natural killer (NK) cells and is secreted by a variety of cells, including neutrophils, monocytes, keratinocytes and epithelial cells, in response to interferon gamma (IFNgamma) and lipopolysaccharide (LPS). IP-10 is thus associated with several clinical conditions linked with Th1 type immune responses and raised IFNgamma expression, such as psoriasis, sarcoidosis and viral meningitis. In addition, studies have demonstrated the ability of IP-10 to suppress the synergistic action of stimulatory cytokines on hematopoietic progenitor cell proliferation.</p>
Further Reading	<ol style="list-style-type: none"> Cox, M.A. <i>et al.</i> (2001) Human interferon-inducible 10-kDa protein and human interferon-inducible T cell alpha chemoattractant are allotypic ligands for human CXCR3: differential binding to receptor states. Mol Pharmacol. 59 (4): 707-15. Sauty, A. <i>et al.</i> (1999) The T cell-specific CXC chemokines IP-10, Mig, and I-TAC are expressed by activated human bronchial epithelial cells. J Immunol. 162 (6): 3549-58.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C. 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>
Shelf Life	<p>3 months from date of reconstitution.</p> <p>Please see label for expiry date.</p>
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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