

## Datasheet: AHP782B

<b>Description:</b>	RABBIT ANTI HUMAN IP-10:Biotin
<b>Specificity:</b>	IP-10
<b>Other names:</b>	CXCL10
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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	▪			0.25 - 1.0ug/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 conjugated to Biotin - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% Bovine Serum Albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Antiserum Preparation</b>	Antisera to human IP-10 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present.
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.

**Immunogen** Recombinant human IP-10.

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**External Database Links**

**UniProt:**  
[P02778](#) [Related reagents](#)

**Entrez Gene:**  
[3627](#) CXCL10 [Related reagents](#)

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**Synonyms** INP10, SCYB10

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**Specificity** **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.

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.

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**ELISA** This biotinylated human IP-10 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our [purified human IP-10 antibody](#) (AHP782) as the capture antibody.

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**Further Reading**

1. Cox, M.A. *et al.* (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.](#)
2. Sauty, A. *et al.* (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.](#)

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**Storage** Prior to reconstitution store at +4°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.

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**Shelf Life** 12 months from date of reconstitution.

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**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>

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**Regulatory** For research purposes only

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**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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