

Datasheet: AHP781B

BATCH NUMBER 164820

Description:	RABBIT ANTI HUMAN INTERLEUKIN-8:Biotin
Specificity:	IL-8
Other names:	CXCL8
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 antibody 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 antibody for use in their own systems using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilized
Reconstitution	Reconstitute with 0.5 ml 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.

Antiserum Preparation Antisera to human IL-8 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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution
Immunogen	Recombinant human IL-8 (PHP055)
External Database Links	<p>UniProt: P10145 Related reagents</p> <p>Entrez Gene: 3576 IL8 Related reagents</p>
Synonyms	CXCL8
RRID	AB_2126224
Specificity	<p>Rabbit anti Human Interleukin-8 antibody recognizes human IL-8 (Interleukin-8), a 72 amino acid pro-inflammatory CXC chemokine designated CXCL8, secreted by endothelial cells and monocytes, which acts as a major chemoattractant for neutrophils and also T cells and basophils.</p> <p>IL-8, first isolated from osteosarcoma cells, contains the ELR-motif (N-Terminal Glu-Leu-Arg amino acid sequence) and signals through the CXCR1 and CXCR2 receptors. Previous nomenclature for IL-8 includes neutrophil activating protein 1(NAP-1), granulocyte chemotactic protein 1 (GCP-1), monocyte-derived neutrophil-activating peptide (MONAP) and protein 3-10C.</p>
ELISA	This biotinylated human IL-8 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with a purified human IL-8 antibody (AHP781) as the capture reagent and recombinant human IL-8 (PHP055) as the standard.
Western Blotting	This biotinylated human IL-8 antibody may be used in Western Blotting applications under either reducing or non-reducing conditions with recombinant human IL-8 (PHP055) as the positive control.
References	<ol style="list-style-type: none"> Vazquez, G.R. <i>et al.</i> (2018) Adipocytes Promote Early Steps of Breast Cancer Cell Dissemination via Interleukin-8. Front Immunol. 9: 1767. Fu, X. <i>et al.</i> (2023) High FOXA1 levels induce ER transcriptional reprogramming, a pro-metastatic secretome, and metastasis in endocrine-resistant breast cancer. Cell Rep. 42 (8): 112821.
Further Reading	1. Mukaida, N. <i>et al.</i> (1989) Genomic structure of the human monocyte-derived neutrophil

chemotactic factor IL-8. [J Immunol. 143 \(4\): 1366-71.](#)

Storage 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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP781B>
10294

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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