

Datasheet: AHP781B

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 - lyophilised
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
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution

Immunogen [Recombinant human IL-8 \(PHP055\)](#)

**External Database
Links**

UniProt:

[P10145](#) [Related reagents](#)

Entrez Gene:

[3576](#) IL8 [Related reagents](#)

Synonyms

CXCL8

Specificity

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.

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. Cancer studies have demonstrated a role for IL-8 in the angiogenesis and growth of tumours. 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.

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.

Further Reading

1. Mukaida, N. *et al.* (1989) Genomic structure of the human monocyte-derived neutrophil chemotactic factor IL-8. [J. Immunol. 143: 1366-1371.](#)

Storage

Prior to reconstitution store at +4°C. Following 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.

Shelf Life

12 months from date of reconstitution.

**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

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

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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