

Datasheet: AHP781

BATCH NUMBER 150813

Description:	RABBIT ANTI HUMAN INTERLEUKIN-8
Specificity:	IL-8
Other names:	CXCL8
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)	▪			0.25 - 1.0ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Immunofluorescence	▪			
Functional Assays	▪			2.0 - 3.0ug/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.

(1) This product requires enzyme mediated antigen retrieval prior to staining of parrafin sections. Proteinase K is recomended for this purpose.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water 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.
N.B. For functional studies do not add sodium azide

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 1.0 mg/ml

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

External Database Links

UniProt:

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

Entrez Gene:

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

Synonyms CXCL8

RRID AB_2264854

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 purified human IL-8 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with a [biotinylated human IL-8 antibody](#) (AHP781B) as the detection reagent and [recombinant human IL-8](#) (PHP055) as the standard.

Western Blotting This purified human IL-8 antibody may used in Western Blotting applications under either reducing or non-reducing conditions with [recombinant human IL-8](#) (PHP055) as the positive control.

References	1. Rodriguez, G.V. <i>et al.</i> (2018) Adipocytes Promote Early Steps of Breast Cancer Cell Dissemination via Interleukin-8 Frontiers in Immunology. 9 [Epub ahead of print].
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	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP781 10162
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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

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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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