

Datasheet: AHP781

**BATCH NUMBER 163709**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-8
<b>Specificity:</b>	IL-8
<b>Other names:</b>	CXCL8
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	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

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<b>Antiserum Preparation</b>	Antisera to human IL-8 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	None present
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	<a href="#">Recombinant human IL-8 (PHP055)</a>
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P10145</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3576</a> IL8 <a href="#">Related reagents</a>
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<b>Synonyms</b>	CXCL8
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<b>RRID</b>	AB_2264854
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<b>Specificity</b>	<p><b>Rabbit anti Human Interleukin-8 antibody</b> 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>
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<b>ELISA</b>	This purified human IL-8 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with a <a href="#">biotinylated human IL-8 antibody</a> (AHP781B) as the detection reagent and <a href="#">recombinant human IL-8</a> (PHP055) as the standard.
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<b>Western Blotting</b>	This purified human IL-8 antibody may used in Western Blotting applications under either reducing or non-reducing conditions with <a href="#">recombinant human IL-8</a> (PHP055) as the positive control.
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<b>References</b>	1. Vazquez, G.R. <i>et al.</i> (2018) Adipocytes Promote Early Steps of Breast Cancer Cell
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Dissemination via Interleukin-8. [Front Immunol. 9: 1767.](#)

2. Fu, X. *et al.* (2023) High FOXA1 levels induce ER transcriptional reprogramming, a pro-metastatic secretome, and metastasis in endocrine-resistant breast cancer. [Cell Rep. 42 \(8\): 112821.](#)

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<b>Further Reading</b>	1. Mukaida, N. <i>et al.</i> (1989) Genomic structure of the human monocyte-derived neutrophil chemotactic factor IL-8. <a href="#">J Immunol. 143 (4): 1366-71.</a>
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<b>Storage</b>	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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP781">https://www.bio-rad-antibodies.com/SDS/AHP781</a> 10294
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<b>Regulatory</b>	For research purposes only
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## 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://bio-rad-antibodies.com/datasheets)

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