

## Datasheet: AHP781

|                      |                                 |
|----------------------|---------------------------------|
| <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 paraffin sections. Proteinase K is recommended for this purpose.**

|                       |  |
|-----------------------|--|
| <b>Target Species</b> | Human  |
| <b>Product Form</b>   | Purified IgG - lyophilized   |
| <b>Reconstitution</b> | <p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> |

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.

---

**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. 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** Rabbit anti human IL-8 antibody (**AHP781**) may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with biotinylated human IL-8 antibody as the detection reagent .

---

**References**

1. Vazquez, G.R. *et al.* (2018) Adipocytes Promote Early Steps of Breast Cancer Cell 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.](#)

---

**Further Reading** 1. Mukaida, N. *et al.* (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/AHP781>  
10294

---

**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 \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** 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)

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)  
'M431398:240715'

Printed on 15 Jul 2024

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)