

Datasheet: AHP781

**BATCH NUMBER 155863**

|                      |                                 |
|----------------------|---------------------------------|
| <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.**

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|-----------------------|--|
| <b>Target Species</b> | Human  |
| <b>Product Form</b>   | Purified IgG - lyophilised   |
| <b>Reconstitution</b> | Reconstitute with 0.1ml distilled water<br>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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**Antiserum Preparation** 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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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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

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**External Database Links**

**UniProt:**

[P10145](#)    [Related reagents](#)

**Entrez Gene:**

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

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**Synonyms** CXCL8

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**RRID** AB\_2264854

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**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.

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**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.

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**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.

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|--------------------------------------|--|
| <b>References</b>                    | 1. Rodriguez, G.V. <i>et al.</i> (2018) Adipocytes Promote Early Steps of Breast Cancer Cell Dissemination via Interleukin-8 <a href="#">Frontiers in Immunology. 9 [Epub ahead of print].</a>   |
| <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>   |
| <b>Storage</b>                       | Prior to reconstitution store at -20°C.<br>After reconstitution store at -20°C.<br><br>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. |
| <b>Guarantee</b>                     | 6 months from date of despatch   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP781">https://www.bio-rad-antibodies.com/SDS/AHP781</a><br>10162  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### 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)  
 'M372549:200706'

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