

Datasheet: AHP781

BATCH NUMBER 164546

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| 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.

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| Target Species | Human |
| Product Form | Purified IgG - lyophilized |
| 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

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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 | <p>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.</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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| 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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| References | 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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| 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. |
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| 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. |
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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP781 10294 |
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| Regulatory | 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

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