

Datasheet: PPP024

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|----------------------|-------------------------------|
| Description: | RECOMBINANT PIG INTERLEUKIN-8 |
| Name: | IL-8 |
| Other names: | CXCL8 |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 5 µg |

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 |
|------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | |
| Western Blotting | ▪ | | | |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

| | |
|---------------------------------|--|
| Target Species | Pig |
| Product Form | Purified recombinant protein - lyophilized |
| Reconstitution | Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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. |
| Preparation | Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography |
| Source | <i>Pichia pastoris</i> |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 10% Trehalose |

**External Database
Links**

UniProt:

[P26894](#)

[Related reagents](#)

Entrez Gene:

[396880](#)

IL8

[Related reagents](#)

Synonyms

CXCL8

Product Information

Recombinant Pig interleukin-8 (IL-8) is a recombinant protein corresponding to aa 26-103 of native pig IL-8.

Pig IL-8, also known as CXCL8, is a chemokine secreted by a range of cell types including macrophages and endothelial cells in response to infection and functions as a chemotactin on T lymphocytes, neutrophils and basophils.

**Protein Molecular
Weight**

9.1 kDa

Purity

>95% by SDS PAGE analysis

ELISA

This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2392](#) as a coating antibody and [AHP2392B](#) as a detection antibody.

References

1. Dawson, H.D. *et al.* (2020) Porcine cytokines, chemokines and growth factors: 2019 update. [Res Vet Sci. 131: 266-300.](#)

Storage

Prior to reconstitution store at -20°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10591 available at:
<https://www.bio-rad-antibodies.com/SDS/PPP024>
10591

Regulatory

For research purposes only

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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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