

Datasheet: PPP033

BATCH NUMBER 153957

Description:	RECOMBINANT PIG INTERLEUKIN-1 ALPHA
Name:	IL-1 ALPHA
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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	10% Trehalose
External Database Links	UniProt: P18430 Related reagents

Entrez Gene:

[397094](#) IL1A [Related reagents](#)

Product Information **Recombinant Pig Interleukin-1 Alpha (IL-1 alpha)** is a recombinant protein corresponding to aa 113-270 of native pig IL-1 alpha.

IL-1 is a inflammatory cytokine produced by activated macrophages. IL-1 is active in the inflammatory reaction and in driving Th1 and Th17 inflammatory responses. IL-1 acts on Th cells and causes them to secrete IL-2, which induces T cells to undergo mitosis and clonal expansion (Straw Barbara, Diseases of Swine -9th edition).

Protein Molecular Weight

18.1 kDa

Purity

>95% by SDS PAGE analysis

ELISA

This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2820](#) as a coating antibody and [AHP2820B](#) as a detection antibody.

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.

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/PPP033>
10591

Regulatory

For research purposes only

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50

Email: 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://www.bio-rad-antibodies.com/datasheets)

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