

Datasheet: PPP033

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
Source	<i>Pichia pastoris</i>
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

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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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