

Datasheet: PRABP003

Description:	RECOMBINANT RABBIT 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	Rabbit
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	<p>UniProt: P04822 Related reagents</p> <p>Entrez Gene: 100009250 IL1A Related reagents</p>

Product Information **Recombinant Rabbit interleukin-1 alpha (IL-1α)** is a recombinant protein corresponding to aa 113-267 of native rabbit IL-1α.

Interleukin-1α is a pleiotropic pro-inflammatory cytokine and member of the IL-1 superfamily. It is

secreted by activated macrophages and monocytes and is involved in the modulation of a wide range of immune and inflammatory responses.

IL-1 α and the closely related IL-1 β , are both involved in haematopoiesis and exhibit many identical immunomodulatory properties, binding to the same type I interleukin-1 receptor, also known as CD121a.

Protein Molecular Weight	17.8 kDa
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Purity	>95% by SDS PAGE analysis
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ELISA	This reagent may be used as a standard in a sandwich ELISA assay in conjunction with AHP2989 as a coating antibody and AHP2989B as a detection antibody.
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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.
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Shelf Life	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10591 available at: 10591: https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf
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Regulatory	For research purposes only
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