

Datasheet: PHP080

Description:	RECOMBINANT HUMAN INTERLEUKIN-1RA
Name:	IL-1RA
Other names:	INTERLEUKIN-1 RECEPTOR ANTAGONIST
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 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	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			20 - 40ng/ml

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	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.2 ml 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 extended storage, the addition of 0.1% bovine serum albumin (BSA) is recommended.
Preparation	Recombinant protein produced in <i>E. coli</i>
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	Total protein concentration 0.1 mg/ml after reconstitution.
External Database Links	<p>UniProt: P18510 Related reagents</p> <p>Entrez Gene: 3557 IL1RN Related reagents</p>
Synonyms	IL1F3, IL1RA
Product Information	<p>Interleukin-1 receptor antagonist (IL-1RA) is a naturally occurring protein which inhibits the activity of IL-1 alpha and IL-1 beta by competitively blocking binding to cell surface receptors for IL-1.</p> <p>In an assay of dose dependent inhibition of IL-1 stimulation of D10S cells, the ED50 was expected to be 20-40 ng/ml.</p>
Protein Molecular Weight	17 kDa (153 amino acids)
Purity	>98% by SDS PAGE
ELISA	Recombinant human Interleukin-1RA may be used as the standard for ELISA applications with either a purified human IL-1RA antibody or a biotinylated human IL-1RA antibody .
Western Blotting	Recombinant huma Interleukin-1RA may be used as a positive control for Western Blotting applications with either a purified human IL-1RA antibody or a biotinylated human IL-1RA antibody .
Storage	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: 10527: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
Regulatory	For research purposes only

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