

## Datasheet: PHP080

**BATCH NUMBER 155294**

<b>Description:</b>	RECOMBINANT HUMAN INTERLEUKIN-1RA
<b>Name:</b>	IL-1RA
<b>Other names:</b>	INTERLEUKIN-1 RECEPTOR ANTAGONIST
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Recombinant protein produced in <i>E. coli</i>
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

<b>Endotoxin Level</b>	< 0.1 ng/ug
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.1 mg/ml after reconstitution.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P18510</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3557</a>    IL1RN    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL1F3, IL1RA
<b>Product Information</b>	<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>
<b>Protein Molecular Weight</b>	17 kDa (153 amino acids)
<b>Purity</b>	>98% by SDS PAGE
<b>ELISA</b>	Recombinant human Interleukin-1RA may be used as the standard for ELISA applications with either a <a href="#">purified human IL-1RA antibody</a> or a <a href="#">biotinylated human IL-1RA antibody</a> .
<b>Western Blotting</b>	Recombinant huma Interleukin-1RA may be used as a positive control for Western Blotting applications with either a <a href="#">purified human IL-1RA antibody</a> or a <a href="#">biotinylated human IL-1RA antibody</a> .
<b>Storage</b>	<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>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP08010527">https://www.bio-rad-antibodies.com/SDS/PHP08010527</a>
<b>Regulatory</b>	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://bio-rad-antibodies.com/datasheets)  
'M362345:200501'

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