

Datasheet: AHP2184B

**BATCH NUMBER 152358**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-1RA:Biotin
<b>Specificity:</b>	IL-1RA
<b>Other names:</b>	INTERLEUKIN-1 RECEPTOR ANTAGONIST
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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 IgG conjugated to Biotin - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin 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 long term storage the addition of 0.09% sodium azide is recommended.

**Antiserum Preparation** Antiserum to human IL-1RA were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human IL-1RA ( <a href="#">PHP080</a> )
<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>RRID</b>	AB_10848349
<b>Specificity</b>	<p><b>Rabbit anti Human interleukin-1 receptor antagonist antibody</b> recognises human Interleukin-1 receptor antagonist (IL-1RA), a naturally occurring inflammatory inhibitor protein, produced by monocytes, macrophages, neutrophils, corneal epithelial cells and fibroblasts, 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>Genetic variations in IL-1RA gene (IL1RN) are associated with susceptibility to microvascular complications of diabetes type 4 (MVCD4), and IL-1RA has therapeutic applications in rheumatoid arthritis, asthma, psoriasis, sepsis, chronic myelogenous leukaemia and inflammatory bowel disease.</p>
<b>ELISA</b>	This biotinylated human IL-1RA antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with a <a href="#">purified human IL-1RA antibody</a> (AHP2184) as the capture reagent and <a href="#">recombinant human IL-1RA</a> (PHP080) as the standard.
<b>Western Blotting</b>	This biotinylated human IL-1RA antibody may be used in Western Blotting applications under either reducing or non-reducing conditions with <a href="#">recombinant human IL-1RA</a> (PHP080) as the positive control.
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

**Guarantee** 6 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2184B>  
10162

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**Regulatory** For research purposes only

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