

Datasheet: AHP2184

**BATCH NUMBER 166833**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-1RA
<b>Specificity:</b>	IL-1RA
<b>Other names:</b>	INTERLEUKIN-1 RECEPTOR ANTAGONIST
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			2.5 - 3.7ug/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 - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> <p>For long term storage the addition of 0.09% sodium azide is recommended.</p> <p>N.B. For functional studies do not add sodium azide</p>

**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 1.0mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human IL-1RA ( <a href="#">PHP080</a> )
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P18510</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3557</a> IL1RN <a href="#">Related reagents</a>
<b>Synonyms</b>	IL1F3, IL1RA
<b>RRID</b>	AB_10846099
<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 purified human IL-1RA antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with a <a href="#">biotinylated human IL-1RA antibody</a> (AHP2184B) as the detection reagent and <a href="#">recombinant human IL-1RA</a> (PHP080) as the standard.
<b>Western Blotting</b>	This purified human IL-1RA antibody may 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.</p>

Should this product contain a precipitate we recommend microcentrifugation before use.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2184">https://www.bio-rad-antibodies.com/SDS/AHP2184</a> 10294
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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Printed on 18 Jan 2024