

Datasheet: AHP2184

**BATCH NUMBER 160401**

<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 - lyophilised
<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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution
Immunogen	Recombinant human IL-1RA ( <a href="#">PHP080</a> )
External Database Links	<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>
Synonyms	IL1F3, IL1RA
Specificity	<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>
ELISA	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.
Western Blotting	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
Storage	Prior to reconstitution store at +4°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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of reconstitution.
Health And Safety	Material Safety Datasheet documentation #10162 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP218410162>

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M291736:160721'

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