

Datasheet: AHP2184B

BATCH NUMBER 166832

Description:	RABBIT ANTI HUMAN INTERLEUKIN-1RA:Biotin
Specificity:	IL-1RA
Other names:	INTERLEUKIN-1 RECEPTOR ANTAGONIST
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilized
Reconstitution	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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution
Immunogen	Recombinant human IL-1RA (PHP080)
External Database Links	<p>UniProt: P18510 Related reagents</p> <p>Entrez Gene: 3557 IL1RN Related reagents</p>
Synonyms	IL1F3, IL1RA
RRID	AB_10848349
Specificity	<p>Rabbit anti Human interleukin-1 receptor antagonist antibody 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 biotinylated human IL-1RA antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with a purified human IL-1RA antibody (AHP2184) as the capture reagent and recombinant human IL-1RA (PHP080) as the standard.
Western Blotting	This biotinylated human IL-1RA antibody may be used in Western Blotting applications under either reducing or non-reducing conditions with recombinant human IL-1RA (PHP080) as the positive control.
Storage	<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 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP2184B>
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Regulatory For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)
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