

## Datasheet: AHP281G

**BATCH NUMBER 157480**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-1 ALPHA
<b>Specificity:</b>	IL-1 ALPHA
<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 (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			1.0 - 2.0ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires enzyme mediated antigen retrieval prior to staining of parrafin sections. Proteinase K is recomended for this purpose.**

#### Target Species

Human

#### Product Form

Purified IgG - lyophilised

#### Reconstitution

Reconstitute with 0.1 ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.

#### Antiserum Preparation

Antisera to human IL-1 alpha were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared 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 1.0 mg/ml
<b>Immunogen</b>	Recombinant human IL-1alpha.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01583</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3552</a>    IL1A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL1F1
<b>RRID</b>	AB_2124195
<b>Specificity</b>	<p><b>Rabbit anti Human Interleukin-1 alpha antibody</b> recognizes human IL-1 alpha (Interleukin-1 alpha), an 18kDa multi-functional pro-inflammatory cytokine which belongs to the IL-1 family of proteins, and is produced by a variety of cells including activated macrophages, monocytes and keratinocytes.</p> <p>IL-1 alpha and IL-1 beta have been identified as two distinct IL-1 proteins which bind to the same type 1 Interleukin 1 receptor (IL1R1). Biological properties of IL-1 alpha include stimulation of thymocyte proliferation by induction of IL-2 release, B-cell proliferation and maturation, and fibroblast growth factor activity.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Gubler, U. <i>et al.</i> (1986) Recombinant human interleukin 1 alpha: purification and biological characterization. <a href="#">J Immunol. 136 (7): 2492-7.</a></li> <li>Kilian, P.L. <i>et al.</i> (1986) Interleukin 1 alpha and interleukin 1 beta bind to the same receptor on T cells. <a href="#">J Immunol. 136 (12): 4509-14.</a></li> <li>Henry CM <i>et al.</i> (2016) Neutrophil-Derived Proteases Escalate Inflammation through Activation of IL-36 Family Cytokines. <a href="#">Cell Rep. 14 (4): 708-22.</a></li> </ol>
<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>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP281G>  
10162

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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

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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)

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