Datasheet: AHP281G

**Product Details**

**RRID**: AB_2124195

**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin (1)</td>
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<tr>
<td>ELISA</td>
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<td>0.5ug/ml</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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<td>0.1 - 0.2ug/ml</td>
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<tr>
<td>Functional Assays</td>
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<td>1.0 - 2.0ug/ml</td>
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</table>

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 paraffin sections. Proteinase K is recommended 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.

**Buffer Solution**: Phosphate buffered saline

**Preservative Stabilisers**: None present

**Approx. Protein**: IgG concentration 1.0 mg/ml
Concentrations

Immunogen
Recombinant human IL-1alpha.

External Database Links
UniProt:
P01583
Related reagents
Entrez Gene:
3552 IL1A Related reagents

Synonyms
IL1F1

Specificity
Rabbit anti Human Interleukin-1 alpha antibody 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.

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.

References

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 Information

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies
Sheep Anti Rabbit IgG (STAR34...) FITC
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE
Sheep Anti Rabbit IgG (2AB02...) Biotin
Sheep Anti Rabbit IgG (STAR36...)

**Recommended Useful Reagents**

- **ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)**
- **ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)**
- **TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)**

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