Datasheet: AAR15G
BATCH NUMBER 155172

Product Details

**Description:** RABBIT ANTI RAT INTERLEUKIN-1 BETA

**Specificity:** IL-1 BETA

**Format:** Purified

**Product Type:** Polyclonal Antibody

**Isotype:** Polyclonal IgG

**Quantity:** 0.1 mg

**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>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>0.5ug/ml - 2.0ug/ml</td>
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<tr>
<td>Immunoprecipitation</td>
<td></td>
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<tr>
<td>Western Blotting</td>
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<td></td>
<td></td>
<td>0.1ug/ml - 0.2ug/ml</td>
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<tr>
<td>Functional Assays</td>
<td></td>
<td></td>
<td></td>
<td>0.09ug/ml - 0.14ug/ml</td>
</tr>
</tbody>
</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 the appropriate negative/positive controls.

**Target Species**

Rat

**Product Form**

Purified IgG - lyophilised

**Reconstitution**

Reconstitute with 0.1ml distilled water

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.

N.B. For functional studies do not add sodium azide

**Antiserum Preparation**

Antisera to rat IL-1 beta were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen affinity chromatography.
<table>
<thead>
<tr>
<th><strong>Buffer Solution</strong></th>
<th>Phosphate buffered saline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preservative</strong></td>
<td>None present.</td>
</tr>
<tr>
<td><strong>Stabilisers</strong></td>
<td>None present.</td>
</tr>
<tr>
<td><strong>Carrier Free</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1.0 mg/ml after reconstitution.</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Recombinant rat IL-1 beta (PRP23).</td>
</tr>
<tr>
<td><strong>External Database Links</strong></td>
<td>UniProt: Q63264 Related reagents</td>
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<tr>
<td></td>
<td>Entrez Gene: 24494 Il1b Related reagents</td>
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<tr>
<td><strong>RRID</strong></td>
<td>AB_2264733</td>
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</table>

**Specificity**

**Rabbit anti Rat Interleukin-1 beta antibody** recognizes rat IL-1 beta. Interleukin-1β is a 152 amino acid active pro-inflammatory cytokine produced with an additional 116 amino acid pro-peptide region. IL-1&beta has a broad mode of action, stimulating prostaglandin synthesis, neutrophil, T cell and B cell activation and collagen synthesis.

**ELISA**

This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with AAR15B as the detection reagent and PRP23 as the standard.

**References**


Storage
Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

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.

Guarantee
12 months from date of despatch

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
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)