**Datasheet: AAR15G**

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th>RABBIT ANTI RAT INTERLEUKIN-1 BETA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity</strong></td>
<td>IL-1 BETA</td>
</tr>
<tr>
<td><strong>Format</strong></td>
<td>Purified</td>
</tr>
<tr>
<td><strong>Product Type</strong></td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td><strong>Quantity</strong></td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

### 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).

<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>
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<td></td>
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</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
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</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>0.5ug/ml - 2.0ug/ml</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
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<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>
</tr>
<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.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

None present.

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml after reconstitution.
Immunogen
Recombinant rat IL-1 beta (PRP23).

External Database Links
UniProt:
Q63264 Related reagents
Entrez Gene:
24494 Il1b Related reagents

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-1β 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 +4°C. Following 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.

**Shelf Life**

12 months from date of reconstitution.

**Health And Safety Information**

Material Safety Datasheet documentation #10162 available at:


**Regulatory**

For research purposes only

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**Recommended 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 (2AB02...) **Biotin**
- Sheep Anti Rabbit IgG (STAR35...) **RPE**
- Sheep Anti Rabbit IgG (STAR36...) **DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800**

**Recommended Useful Reagents**

- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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