**Product Details**

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>Applications</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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<tr>
<td>Immunohistology - Frozen</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>
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<tr>
<td>Western Blotting</td>
<td>✔</td>
<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>
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</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 - lyophilized

**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.
Carrier Free  | Yes
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
RRID  | AB_2264733
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.

**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)