Datasheet: PHP042
BATCH NUMBER 161386

**Product Details**

**Description:** RECOMBINANT HUMAN INTERLEUKIN-2

**Name:** IL-2

**Format:** Rec. Protein

**Product Type:** Recombinant Protein

**Quantity:** 50 µg

**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>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>0.2 - 0.4ng/well</td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1.5 - 3.0ng/lane</td>
</tr>
<tr>
<td>Functional Assays</td>
<td></td>
<td></td>
<td></td>
<td>0.1ng/ml - 2.0ng/ml</td>
</tr>
</tbody>
</table>

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

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Cynomolgus monkey, Rhesus Monkey, Dolphin

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Purified protein produced in *E. coli* - lyophilized

**Reconstitution**

Reconstitute with 0.5 ml 0.1M acetic acid. 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.

**Buffer Solution**

10mM Sodium citrate

**Preservative Stabilisers**

None present
Recombinant human interleukin 2 is an *Escherichia coli*-derived recombinant protein corresponding to full-length mature human interleukin-2, a secreted peptide required for T-cell proliferation. This preparation has an ED50 of 0.1ng/ml as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells.

**Product Information**

**Recombinant human interleukin 2**

- **Protein Molecular Weight:** 15.4kDa (134 Amino acid sequence)
- **Activity:** $1 \times 10^7$ units/mg
- **Purity:** >98% by SDS PAGE and HPLC analysis

**ELISA**

Recombinant Rat interleukin-2 may be used as a standard for ELISA applications with Rat anti Human IL-2 antibody, clone MQ1-17H12 ([MCA1553](#)).

**Western Blotting**

Recombinant human IL-2 may be used as a positive control for Western Blotting applications using Rabbit anti Human IL-2 antibodies ([AAR38](#)) for detection.

**References**


**Storage**

Prior to reconstitution store at -20°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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety Information**


**Regulatory**

For research purposes only

---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M395206:220323'

Printed on 18 Jan 2024