Datasheet: PHP042A
BATCH NUMBER 147099

<table>
<thead>
<tr>
<th>Description:</th>
<th>RECOMBINANT HUMAN INTERLEUKIN-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>IL-2</td>
</tr>
<tr>
<td>Format:</td>
<td>Rec. Protein</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Recombinant Protein</td>
</tr>
<tr>
<td>Quantity:</td>
<td>10 µg</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>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>0.1 - 2.0ng/ml</td>
</tr>
</tbody>
</table>

Where this protein 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 positive/negative 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* - lyophilised

**Reconstitution**

Reconstitute with 0.1ml 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**

**Protein Molecular Weight**
15.5kDa (134 Amino acid sequence)

**Activity**
>1 x 10^7 units/mg as determined by dose-dependent stimulation of CTLL-2 cells.

**Purity**
>98% by SDS PAGE and HPLC analysis

**ELISA**
This product may be used as a standard in ELISA applications with either AHP1032 or AHP1032B.

**Western Blotting**
This product may be used as a positive control in western blotting applications with either AHP1032 or AHP1032B.

**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**

Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP042A10527

**Regulatory**

For research purposes only

**Related Products**

**Recommended Useful Reagents**

- **RABBIT ANTI HUMAN INTERLEUKIN-2 (AHP1032)**
- **RABBIT ANTI HUMAN INTERLEUKIN-2:Biotin (AHP1032B)**

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

"M362331:200501"

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