**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>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>0.1ng/ml - 10ng/ml</td>
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<tr>
<td>Functional Assays</td>
<td></td>
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</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

**Product Form**

Purified recombinant protein - lyophilised

**Reconstitution**

Reconstitute with 20ul 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.

**Preservative Stabilisers**

None present

**Approx. Protein Concentrations**

0.5 mg/ml after reconstitution

**External Database Links**

UniProt: [P20809](https://www.uniprot.org/uniprot/P20809)  Related reagents


**Product Information**

Human Interleukin 11 is a potent lymphoid cell growth factor which stimulates the growth and survival of certain B cells and T cells. This product has an ED50 of 0.5ng/ml as determined in a proliferation assay using murine T1165 hybridoma cells.

**Protein Molecular**

19.5kDa (179 Amino acid sequence)
Weight

Purity

>98% by SDS PAGE

Storage

Prior to reconstitution store at -20°C. Following reconstitution store at -20°C. 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 #10277 available at:


Regulatory

For research purposes only

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