

## Datasheet: PBP021

<b>Description:</b>	RECOMBINANT BOVINE INTERLEUKIN-6
<b>Name:</b>	IL-6
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	5 µg

## 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).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			
Functional Assays	▪			

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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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.
<b>Preparation</b>	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Trehalose
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P26892</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">280826</a>    IL6    <a href="#">Related reagents</a></p>
<b>Product Information</b>	<b>Recombinant Bovine interleukin-6 (IL-6)</b> is a recombinant protein corresponding to aa 30-208 of native bovine IL-6.

Bovine interleukin-6 is a multifunctional cytokine secreted by a range of cell types, in particular T lymphocytes and macrophages. IL-6 has a range of activities and includes the differentiation of B cells into Ig producing cells, differentiation of lymphocytes and of monocytes. IL-6 functions in both a pro-inflammatory role where it is an important inducer of the acute phase response and also as an anti-inflammatory cytokine.

Interleukin-6 induces myeloma growth and is an essential cytokine required for successful hybridoma growth.

---

<b>Protein Molecular Weight</b>	20.7 kDa
---------------------------------	----------

---

<b>Purity</b>	>95% by SDS PAGE analysis
---------------	---------------------------

---

<b>ELISA</b>	This reagent may be used as a standard in a sandwich ELISA assay in conjunction with <a href="#">AHP2380</a> as a coating antibody and <a href="#">AHP2380B</a> as a detection antibody.
--------------	--

---

<b>Storage</b>	Prior to reconstitution store at -20°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
----------------	--

---

<b>Shelf Life</b>	12 months from date of despatch
-------------------	---------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10591 available at: 10591: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf</a>
--------------------------------------	--

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

'M317545:180703'

**Printed on 11 Jul 2018**