

## 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

#### External Database Links

**UniProt:**  
[P26892](https://www.uniprot.org/entry/P26892)    [Related reagents](#)

**Entrez Gene:**[280826](#) IL6 [Related reagents](#)

---

**Product Information** **Recombinant Bovine interleukin-6 (IL-6)** 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.

---

**Protein Molecular Weight** 20.7 kDa

---

**Purity** >95% by SDS PAGE analysis

---

**ELISA** This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2380](#) as a coating antibody and [AHP2380B](#) as a detection antibody.

---

**Storage** 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.

---

**Guarantee** 12 months from date of despatch

---

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

---

**Regulatory** For research purposes only

---

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

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)

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

'M334887:181203'

Printed on 29 Aug 2021

---

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)