

## Datasheet: PBP016A

<b>Description:</b>	RECOMBINANT BOVINE INTERLEUKIN-10
<b>Name:</b>	IL-10
<b>Other names:</b>	CYTOKINE SYNTHESIS INHIBITORY FACTOR
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	25 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	▪			
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 100µl 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>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/P43480">P43480</a> <a href="#">Related reagents</a>

**Entrez Gene:**[281246](#) IL10 [Related reagents](#)

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**Product Information** **Recombinant Bovine Interleukin-10 (IL-10)**, also known as cytokine synthesis inhibitory factor (CSIF), is a secreted anti inflammatory cytokine produced primarily by monocytes. IL-10 inhibits the synthesis of pro-inflammatory cytokines such as IFN $\gamma$ , IL-2, IL-4, GM-CSF and TNF $\alpha$ .

This product is a purified recombinant cytokine corresponding to a 160 amino acid sequence of bovine IL-10 and is suitable for use as standard in the development of ELISA assays.

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**Protein Molecular Weight** 18.6 kDa

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**Purity** >95% by SDS PAGE

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**References** 1. Stabel, J.R. *et al.* (2021) Comparative cellular immune responses in calves after infection with *Mycobacterium avium*. subsp. *paratuberculosis*., *M. avium*. subsp. *avium*., *M. kansasii*. and *M. bovis*.. [Vet Immunol Immunopathol. 237: 110268.](#)

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**Storage** Prior to reconstitution store at +4°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.

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**Guarantee** 12 months from date of despatch

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI BOVINE INTERLEUKIN-10:Biotin \(MCA2111B\)](#)

[MOUSE ANTI BOVINE INTERLEUKIN-10 \(MCA2110\)](#)

[MOUSE ANTI BOVINE INTERLEUKIN-10:Low Endotoxin \(MCA2111EL\)](#)

[MOUSE ANTI BOVINE INTERFERON GAMMA \(MCA2112\)](#)

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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)

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