

## Datasheet: PBP016A

**BATCH NUMBER 153014**

<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>

**Entrez Gene:**[281246](#)

IL10

[Related reagents](#)

<b>Product Information</b>	<b>Recombinant Bovine Interleukin-10 (IL-10)</b> , 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.
<b>Protein Molecular Weight</b>	18.6 kDa
<b>Purity</b>	>95% by SDS PAGE
<b>References</b>	1. Stabel, J.R. <i>et al.</i> (2021) Comparative cellular immune responses in calves after infection with <i>Mycobacterium avium</i> . subsp. <i>paratuberculosis</i> ., <i>M. avium</i> . subsp. <i>avium</i> ., <i>M. kansasii</i> . and <i>M. bovis</i> .. <a href="#">Vet Immunol Immunopathol. 237: 110268.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10591 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PBP016A">https://www.bio-rad-antibodies.com/SDS/PBP016A</a> 10591
<b>Regulatory</b>	For research purposes only

## 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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