

## Datasheet: PBP018

<b>Description:</b>	RECOMBINANT BOVINE INTERLEUKIN-13
<b>Name:</b>	IL-13
<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	▪			
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="#">Q9XSV9</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">281247</a>    IL13    <a href="#">Related reagents</a></p>
<b>Product Information</b>	<b>Recombinant Bovine interleukin-13 (IL-13)</b> is a recombinant protein corresponding to aa 21 - 132 of native bovine IL-13.

Bovine interleukin-13 is an immunoregulatory cytokine produced by activated T lymphocytes. IL-13

has a range of activities that include the stimulation of B cell proliferation and immunoglobulin production, as well as the induction of differentiation in both B cells and cells of the monocytic lineage.

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<b>Protein Molecular Weight</b>	12.6 kDa
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<b>Purity</b>	>95% by SDS PAGE analysis
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<b>ELISA</b>	This reagent may be used as a standard in a sandwich ELISA assay in conjunction with <a href="#">AHP2374</a> as a coating antibody and <a href="#">AHP2374B</a> as a detection antibody.
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<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.
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<b>Shelf Life</b>	12 months from date of despatch
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<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>
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<b>Regulatory</b>	For research purposes only
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