

## Datasheet: PBP041

<b>Description:</b>	RECOMBINANT BOVINE INTERLEUKIN-5
<b>Name:</b>	IL-5
<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	▪			

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>Species Cross Reactivity</b>	<p>Reacts with: Goat, Sheep</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein</p> <p>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.</p>
<b>Preparation</b>	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Source</b>	<i>Pichia pastoris</i>
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	10% Trehalose
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P52173</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">280825</a>    IL5    <a href="#">Related reagents</a></p>
<b>Product Information</b>	<p><b>Recombinant Bovine Interleukin-5 (IL-5)</b> is a recombinant protein corresponding to aa 22-134 of native bovine IL-5.</p> <p>IL-5 is a regulatory cytokine that induces terminal differentiation of late-developing B cells to immunoglobulin secreting cells.</p> <p>There is &gt;85% identity with feline, bovine, ovine, canine, and human IL-5 sequences at the nucleotide and protein level.</p>
<b>Protein Molecular Weight</b>	13.0 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="#">AHP2818</a> as a coating antibody and <a href="#">AHP2818B</a> as a detection antibody.
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10591 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PBP041">https://www.bio-rad-antibodies.com/SDS/PBP041</a></p> <p>10591</p>
<b>Regulatory</b>	For research purposes only

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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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Printed on 18 Jan 2024