

## Datasheet: PBP041

**BATCH NUMBER 153947**

<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>	Reacts with: Goat, Sheep <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.
<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

**Preservative  
Stabilisers** 10% Trehalose

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**External Database  
Links**

**UniProt:**  
[P52173](#)   [Related reagents](#)

**Entrez Gene:**  
[280825](#) IL5   [Related reagents](#)

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**Product Information** **Recombinant Bovine Interleukin-5 (IL-5)** is a recombinant protein corresponding to aa 22-134 of native bovine IL-5.

IL-5 is a regulatory cytokine that induces terminal differentiation of late-developing B cells to immunoglobulin secreting cells.

There is >85% identity with feline, bovine, ovine, canine, and human IL-5 sequences at the nucleotide and protein level.

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**Protein Molecular  
Weight** 13.0 kDa

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

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**ELISA** This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2818](#) as a coating antibody and [AHP2818B](#) as a detection antibody.

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**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.

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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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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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