

Datasheet: PBP041

Description:	RECOMBINANT BOVINE INTERLEUKIN-5
Name:	IL-5
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Bovine
Species Cross Reactivity	<p>Reacts with: Goat, Sheep</p> <p>N.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>
Product Form	Purified recombinant protein - lyophilized
Reconstitution	<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>
Preparation	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
Source	<i>Pichia pastoris</i>
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	10% Trehalose
External Database Links	<p>UniProt: P52173 Related reagents</p> <p>Entrez Gene: 280825 IL5 Related reagents</p>
Product Information	<p>Recombinant Bovine Interleukin-5 (IL-5) 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 >85% identity with feline, bovine, ovine, canine, and human IL-5 sequences at the nucleotide and protein level.</p>
Protein Molecular Weight	13.0 kDa
Purity	>95% by SDS PAGE analysis
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.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10591 available at: https://www.bio-rad-antibodies.com/SDS/PBP041</p> <p>10591</p>
Regulatory	For research purposes only

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

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)

'M415655:230113'

Printed on 25 Mar 2023