

Datasheet: PBP042

BATCH NUMBER 159410

Description:	RECOMBINANT BOVINE INTERLEUKIN-22
Name:	IL-22
Format:	Rec. Protein
Product Type:	Recombinant Protein
Clone:	AG05385
Quantity:	25 µl

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	■			

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
Product Form	Purified recombinant protein - liquid
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	0.5 mg/ml

Product Information **Recombinant Bovine Interleukin-22 (IL-22)** is a recombinant protein of approximately 43.4 kDa.

Ag05385 is an IL-22 (34-190) Fc recombinant fusion protein produced in a mammalian cells, tagged with a human IgG1 Fc domain fused to the C-terminus.

IL-22 is a T and NK cell cytokine, a member of IL-10 cytokine family and is expressed by mitogen activated bovine peripheral blood $\gamma\delta$ T cells. IL-22 is rapidly produced by splenic cells and can be produced by Th17 cells. IL-22 takes part in regulating the immune responses of the adaptive and innate immune systems.

References	1. Steinbach, S. <i>et al.</i> (2016) CD4+ and $\gamma\delta$ T Cells are the main Producers of IL-22 and IL-17A in Lymphocytes from Mycobacterium bovis-infected Cattle. Sci Rep. 6: 29990.
Storage	Store at -70°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. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Acknowledgements	Sold under license of U.S. Patents 7785859 and 8273688 and corresponding patents. This protein was developed by Bio-Rad.
Health And Safety Information	Material Safety Datasheet documentation #10335 available at: https://www.bio-rad-antibodies.com/SDS/PBP04210335
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN ANTI BOVINE INTERLEUKIN-22 \(HCA362\)](#)

[HUMAN ANTI BOVINE INTERLEUKIN-22 \(HCA363\)](#)

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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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