

## Datasheet: PBP042

<b>Description:</b>	RECOMBINANT BOVINE INTERLEUKIN-22
<b>Name:</b>	IL-22
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Clone:</b>	AG05385
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified recombinant protein - liquid
<b>Preparation</b>	Metal chelate affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	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.

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<b>References</b>	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. <a href="#">Sci Rep. 6: 29990.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	Sold under license of U.S. Patents 7785859 and 8273688 and corresponding patents. This protein was developed by Bio-Rad.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10335 available at: 10335: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10335.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10335.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Useful Reagents

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

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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)

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