

## Datasheet: HCA268P

<b>Description:</b>	HUMAN ANTI BOVINE INTERLEUKIN-2:HRP
<b>Specificity:</b>	IL-2
<b>Format:</b>	HRP
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD22297
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry		▪		
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
ELISpot	▪			

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>	A bivalent human recombinant Fab (kappa light chain) selected from the HuCAL phage display library, expressed in <i>E. coli</i> . This Fab fragment is bivalent by dimerization of the bacterial alkaline phosphatase fusion protein. The antibody is tagged with a V5 tag and a double extended Strep-tag (SAWSHPQFEKGGGSGGGSGGSAWSHPQFEK). Conjugated to horseradish peroxidase (HRP) - liquid.
<b>Preparation</b>	Metal chelate affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.01% Thiomersal

**Stabilisers**

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**Approx. Protein Concentrations**      Antibody concentration 0.1 mg/ml

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**Immunogen**      Fc-fusion protein containing the amino acid sequence 21-155 from bovine interleukin-2

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**External Database Links**

**UniProt:**  
[P05016](#)      [Related reagents](#)

**Entrez Gene:**  
[280822](#)    IL2    [Related reagents](#)

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**Synonyms**      IL-2

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**Specificity**      **Human anti Bovine Interleukin-2, clone AbD22297** recognizes bovine interleukin-2 (IL-2), also known as T-cell growth factor (TCGF). Bovine IL-2 is a 155 amino acid secreted cytokine produced by T-cells following antigenic or mitogenic stimulation. It plays a crucial role in T-cell proliferation and immune regulation.

Human anti bovine interleukin-2, clone AbD22297, has been successfully used for the detection and measurement of native and recombinant bovine IL-2 in ELISA where it acts as the detection antibody in a sensitive assay for bovine IL-2 determination. Bio-Rad recommend clone AbD21766 ([HCA267](#)) for intracellular flow cytometry.

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**ELISA**      This product may be used as a detection reagent in a sandwich ELISA together with [HCA267](#) as the capture reagent.

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**Further Reading**      1. Rhodes, S.G. *et al.* (2014) Use of antigen-specific interleukin-2 to differentiate between cattle vaccinated with Mycobacterium bovis BCG and cattle infected with M. bovis. [Clin Vaccine Immunol. 21:39-45.](#)

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**Storage**      This product is shipped frozen.  
When ready to use, thaw and aliquot the sample as needed. Store aliquots at -70°C, if available, otherwise store at -20°C. It is not recommended to keep aliquots at 4°C for more than one week.

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**Guarantee**      12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #10094 available at:  
<https://www.bio-rad-antibodies.com/SDS/HCA268P>  
10094

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**Licensed Use**      For *in vitro* research purposes only, unless otherwise specified in writing by Bio-Rad.

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**Regulatory** For research purposes only

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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## Related Products

### Recommended Useful Reagents

[HUMAN ANTI BOVINE INTERLEUKIN-2 \(HCA267\)](#)

[STREPTAVIDIN:HRP \(STAR5B\)](#)

[HUMAN ANTI BOVINE INTERLEUKIN-2 \(HCA268\)](#)

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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://bio-rad-antibodies.com/datasheets)

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