

Datasheet: HCA268P

BATCH NUMBER INN1604

Description:	HUMAN ANTI BOVINE INTERLEUKIN-2:HRP
Specificity:	IL-2
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD22297
Isotype:	HuCAL Fab bivalent
Quantity:	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.

	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.

Target Species	Bovine
Product Form	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.
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline.

Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Antibody concentration 0.1 mg/ml
Immunogen	Fc-fusion protein containing the amino acid sequence 21-155 from bovine interleukin-2
External Database Links	<p>UniProt: P05016 Related reagents</p> <p>Entrez Gene: 280822 IL2 Related reagents</p>
Synonyms	IL-2
Specificity	<p>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.</p> <p>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.</p>
ELISA	This product may be used as a detection reagent in a sandwich ELISA together with HCA267 as the capture reagent.
Further Reading	1. Rhodes, S.G. <i>et al.</i> (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.
Storage	<p>Store at -70°C.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.</p>
Guarantee	12 months from date of despatch
Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
Health And Safety Information	<p>Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA268P</p> <p>10094</p>

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Regulatory For research purposes only

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

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

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