Datasheet: HCA275P

Description:	HUMAN ANTI BACTERIAL ALKALINE PHOSPHATASE:HRP
Specificity:	ALKALINE PHOSPHATASE
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	AbD25296_hIgG2
Isotype:	IgG2
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
ELISA	▪			
Western Blotting	▪			1/1,000 - 1/10,000

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

Bacterial

Product Form

Human IgG2 antibody (lambda light chain) selected from the HuCAL® phage display library and expressed in a human cell line. Conjugated to horseradish peroxidase (HRP) - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal
HRP Stabiliser (BUF052A)

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Bacterial Alkaline Phosphatase

External Database Links

UniProt:
P00634 Related reagents

Specificity

Human Anti-Bacterial Alkaline Phosphatase Antibody, clone AbD25296_hIgG2 recognizes bacterial alkaline phosphatase (BAP), a periplasmic enzyme which catalyzes the release of 5'- and

	3'-phosphate groups from DNA, RNA and nucleotides. BAP can also dephosphorylate a number of proteins and alkaloids, and has an optimum pH of 8.0. BAP is encoded by the phoA gene, and forms a homodimer of two identical ~47 kDa subunits. Fab-A and Fab-Max format antibodies generated using HuCAL® technology are formed via dimerization of BAP. The Anti-BAP Antibody HCA275P can be used as a secondary detection reagent with HuCAL antibodies in Fab-A and Fab-Max formats (Fab-Max is a modified BAP fusion antibody with inactivated enzymatic activity). View further information about HuCAL antibody formats.
Affinity	The monovalent intrinsic affinity of this antibody was measured as K_D=38pM by real time, label-free molecular interaction analysis on immobilized HuCAL antibody in the Fab-A-FH format
References	1. Harth, S. *et al.* (2019) Generation by phage display and characterization of drug-target complex-specific antibodies for pharmacokinetic analysis of biotherapeutics. MAbs. 11 (1): 178-90.
Storage	Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
Health And Safety Information	Material Safety Datasheet documentation #10131 available at: 10131: https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf
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

HISPEC ASSAY DILUENT (BUF049A)

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

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