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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>ELISA</td>
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<tr>
<td>Western Blotting</td>
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<td>1/1,000 - 1/10,000</td>
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</table>

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_hlgG2 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 $K_D = 38 \text{pM}$ by real time, label-free molecular interaction analysis on immobilized HuCAL antibody in the Fab-A-FH format.

### References

### 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:

### 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)**

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