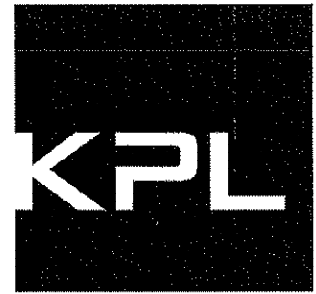


**Biotin-Labeled
BacTrace® Antibody
To *Vibrio* Species**

Produced in Rabbit

Catalog No. **Size**
16-90-02 **0.5 mg**



DESCRIPTION

Protein G purified antibody isolated from a pool of serum from rabbits immunized with *Vibrio* species was labeled with a biotin analog having a long carbon spacer arm. This minimizes steric hindrance and maximizes binding.

FORM/STORAGE

Lyophilized. Store at 2-8 °C until rehydrated. Stable for a minimum of 1 year when stored at 2-8 °C.

STABILIZER AND PRESERVATIVE

Rabbit serum is added as a protein stabilizer. No preservative added. Additional biological protection may be provided with 0.1% sodium azide. Non-sterile.

ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 0.5 mg as determined by UV absorbance at 280 nm.

SPECIFICITY/CROSS REACTIVITY

Tested by ELISA techniques as applicable. This product reacts broadly with *Vibrio* species. This includes *Vibrio cholerae* O1, *Vibrio cholerae non O1*, *Vibrio parahaemolyticus*, *Vibrio vulnificus*.

REHYDRATION AND STORAGE

Note: Rehydration of antibodies in TBS or buffers other than those listed here is not recommended.

Rehydration: Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved.

Storage: This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. Stable for a minimum of 1 year at -20 °C.

SUGGESTED WORKING DILUTIONS

Optimal working concentrations should be determined experimentally. Prepare working dilution in non-avidin or non-biotin containing solutions such as 0.1 M TBS with 0.01% Tween 20 or 1% BSA Diluent Block (see RELATED PRODUCTS) immediately before use. These buffers are not recommended for long term storage.

Suggested starting dilutions are as follows. In many cases, the antibody may be diluted further than indicated.

ELISA:

1:1000 - 1:5000 0.5 µg/mL - 0.1 µg/mL

Blotting:

1:1000 - 1:5000 0.5 µg/mL - 0.1 µg/mL

Histo/Cytochemical Procedures:

1:50 - 1:500 10.0 µg/mL - 1.0 µg/mL

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Disposal via sanitary sewer.

RELATED PRODUCTS

<i>Vibrio</i> Positive Control	Cat. No. 50-90-02
10% BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Coating Solution Concentrate	Cat. No. 50-84-00
Wash Solution Concentrate	Cat. No. 50-63-00
AP Streptavidin	Cat. No. 15-30-00
HRP Streptavidin	Cat. No. 14-30-00

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Nothing disclosed herein is to be construed as a recommendation to use this product in violation of any patents. The information presented above is believed to be accurate. However, said information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product. No claims beyond replacement of unacceptable material or refund of purchase price shall be allowed. All claims regarding product performance must be made within 30 days following date of delivery.

Limited Use License

The purchase of this product conveys to the buyer the non-transferable right to use the product in research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or materials made by use of this product to a third party or otherwise use this product or materials made with this product for Commercial Purposes without written approval of KPL, Inc. For additional information, please visit www.kpl.com or the KPL catalog. To obtain a license or approval to use this product for purposes other than those permitted above, contact Director of Sales at (301) 948-7755.