

# DyLight™ 488-Labeled BacTrace® Antibody To *Vibrio* Species

Produced in Rabbit

**Catalog No.**      **Size**  
**072-03-90-02**      **0.5 mg**



## DESCRIPTION

Protein G purified antibody isolated from a pool of serum from rabbits immunized with *Vibrio* species was labeled with DyLight 488 using a proprietary method. DyLight conjugates provide increased brightness and greater photostability than other fluorophores (ex. - FITC). This conjugate is designed for use in immunofluorescence assays, including flow cytometry, immunohistology, Western blotting, microarrays and FLISA.

## 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

IgG free bovine serum albumin (BSA) is added as a protein stabilizer. 0.02% sodium azide is added as a preservative. Non-sterile.

## ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 0.5 mg as determined by UV absorbance at 280 nm. Upon rehydration with water, the solution will contain 1% BSA, 100 mM phosphate, 150 mM sodium chloride, 0.02% sodium azide, pH 7.4. The conjugate will be at a concentration of 0.5 mg/mL.

## F/F RATIO

Molar fluorophore/antibody protein ratio is from 5:1 - 10:1.

## EXCITATION/EMISSION VALUES

DyLight 488 is excited at 493 nm (in PBS) and emits at 518 nm (in PBS).

## SPECIFICITY/CROSS REACTIVITY

Tested by ELISA techniques as applicable. This product reacts broadly with *Vibrio* species, including *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 TBS or other solution such as 1X Detector Block 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.

### FLISA:

1:50 - 1:500      10.0 µg/mL - 1.0 µg/mL

### Blotting:

1:3750 - 1:7500      0.13 µg/mL - 0.067 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.

## TRADEMARKS

DyLight™ is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

## RELATED PRODUCTS

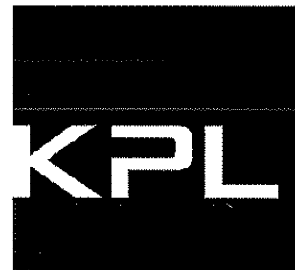
<i>Vibrio</i> Positive Control	Cat. No. 50-90-02
10% BSA Diluent/Blocking Solution	Cat. No. 50-61-00
20X Wash Solution	Cat. No. 50-63-00
Fluorescent Mounting Medium	Cat. No. 71-00-06
10X PBS	Cat. No. 51-13-01
10X PBST	Cat. No. 51-14-01
10X TBS	Cat. No. 51-17-01

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