

***Fluorescein-Labeled  
Affinity Purified Antibody  
To Borrelia burgdorferi  
BacTrace<sup>®</sup> Antibodies  
Produced in Goat***



**Catalog No.   Size**  
**02-97-91      0.5mg**

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L-684-02

**DESCRIPTION**

Affinity purified antibody, isolated from a pool of serum from goats immunized with whole cells of *Borrelia burgdorferi*, was labeled with fluorescein by reaction with fluorescein isothiocyanate (FITC).

**FORM/STORAGE**

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

**STABILIZER AND PRESERVATIVE**

Goat serum and bovine serum albumin added as protein stabilizer. No preservatives added. Additional biological protection may be provided with 0.1% sodium azide. Non-sterile.

**ANTIBODY CONTENT**

This product contains 0.5 mg of affinity purified antibody.

**F/P RATIO**

Molar fluorescein/antibody protein ratio = 3 – 7.

**SPECIFICITY**

This antibody is highly specific for *Borrelia burgdorferi*. Cross-reactivity to other *Borrelia* species has been minimized through extensive affinity adsorption. Antibody has not been tested for cross-reactivity to treponemes.

**REHYDRATION AND STORAGE**

Rehydration: Rehydrate with 1 mL of reagent quality water.

Dilute to desired concentration with PBS or other buffer.

Storage: This product may be stored for up to one week refrigerated; thereafter, it should be stored frozen. When frozen, product is stable for a minimum of 1 year. Avoid multiple freeze-thaw treatments.

**Note:** When aliquoting, store product in volumes greater than 50 µL. Variations in temperate due to freeze cycles may cause loss of activity when rehydrated product is stored frozen in aliquots less than 50 µL.

## **APPLICATION**

Fluorescein labeled affinity purified antibodies are excellent for most types of fluorescein antibody staining procedures.

The absence of fluorescein labeled serum contaminants markedly reduces background signal.

## **SUGGESTED WORKING DILUTIONS**

Different assay conditions require that serial dilutions of all reagents be performed to determine optimal working concentrations. Prepare working dilution immediately before use. Storage at a working dilution may result in fluorochrome inactivation and performance loss. A starting dilution of 1/10 is recommended for most applications.

1/100 - 1/1000                      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.

See the KPL catalog for a wide selection of antibodies, substrates, protein and nucleic acid detection kits, and immunohistochemistry reagents.

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