Fluorescein-Labeled Affinity Purified Antibody To Campylobacter Species

Bac Trace® Antibodies

Produced in Goat

Catalog No.	**Size**
02-92-93	**0.5mg**

DESCRIPTION

Affinity purified antibody, isolated from a pool of serum from goats immunized sequentially with different strains of Campylobacter, was labeled with fluorescein by reaction with fluorescein isothiocyanate (FITC).

FORM/STORAGE

Lyophilized. Store at 4°C until rehydrated. Stable for a minimum of 1 year at 4°C.

STABILIZERSAND PRESERVATIVES

Goat serum and bovine serum albumin added as protein stabilizers. 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 broadly reactive to Campylobacter and recognizes all Campylobacter strains listed in Table 1. The intensity of reaction may vary with the strain of Campylobacter tested. It may also show some cross-reactivity to related bacteria (i.e. Helicobacter) when tested by direct fluorescent antibody slide assay.

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 cycles.
Note: When aliquoting, store product in volumes greater than 50 µL. Variations in temperature 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 fluorescent 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.

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.

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Table 1.

Campylobacter or Helicobacter Serotypes from American Type Culture Collection Tested

C. coli	33559, 43474, 43479, 43482, 43488	C. hyointestinalis	35217	C. mucosalis	43264
C. concisus	33237	C. jejuni	29428, 33291, 33560, 43429, 43435, 43440, 43457, 43502	H. pylori	43504, 43526, 43579
C. fetus ssp. venerealis	27374, 33246, 33247, 33293, 33561	C. laridis	43675		

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