

Fluorescein-Labeled
Affinity Purified Antibody
To E. coli 0157:H7
BacTrace® Antibodies

Produced in Goat

Catalog No. Size
02-95-90 0.5mg

DESCRIPTION

Affinity purified antibody, isolated from a pool of serum from goats immunized with whole cells of E. coli serotype 0157:H7, was labeled with fluorescein by reaction with fluorescein isothiocyanate (FITC).

FORM/STORAGE

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

STABILIZERS AND 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 highly specific for E. coli 0157:H7. Cross-reactivity to other E. coli strains has been minimized through extensive adsorption using non-0157:H7 serotypes of E. coli.

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. **PROTECTIVE EQUIPMENT** - none required.

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