

# Phosphatase-Labeled Affinity Purified Antibody To *Salmonella* Common Structural Antigen (CSA-1)

**BacTrace<sup>®</sup> Antibodies Produced in Goat**



Catalog No.    Size  
05-91-99        0.1 mg

## DESCRIPTION

Affinity purified polyclonal IgG antibody isolated from a pool of serum collected from goats immunized with different strains of *Salmonella* and labeled with alkaline phosphatase

## FORM/STORAGE

Lyophilized. Store at 2-8°C until rehydrated. Stable for 1 year from date of rehydration when stored as recommended.

## STABILIZER AND PRESERVATIVES

Bovine serum albumin added as protein stabilizer. No preservatives added. Additional biological protection may be provided with 0.1% sodium azide or 0.01% thimerosal. Non-sterile.

## ANTIBODY CONTENT

This product contains 0.1 mg of affinity purified antibody.

## E/P RATIO

Molar enzyme/antibody protein ratio = 3:1.

## SPECIFICITY

This antibody broadly reacts to *Salmonella* serotypes of group A, B, C, D, E, and other *Salmonella* antigen classes. The intensity of reaction may vary with the strain of *Salmonella* tested. It may also show some cross-reactivity to related *Enterobacteriaceae*.

## REHYDRATION AND STORAGE:

Two methods for rehydration and storage are recommended to meet most needs. Procedure A, using 50% glycerol, is preferred. It eliminates freezing at -20°C and 50% glycerol is an effective biological inhibitor. At a working dilution, the level of glycerol is too small to affect most assays.

### Procedure A: 50% Glycerol

Solution Preparation: Mix 1 part glycerol with 1 part reagent quality water.

Rehydration: Transfer 1 mL of the 50% glycerol solution to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Antibody concentration is 1.0 mg/mL.

Storage: This product may be stored at 2-8°C or at -20°C as desired. Product is stable for a minimum of 1 year.

Procedure B:  
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Rehydration: Rehydrate with 1 mL of reagent quality water.

Storage: This product may be stored at 2-8°C for up to one week; thereafter, it should be stored at -20°C. When stored at -20°C, product is stable for a minimum of 1 year.

## USE

Dilute to desired concentration with PBS or other buffer containing 1% BSA immediately before use. Mix thoroughly before use.

## SUGGESTED WORKING DILUTIONS

Different assay conditions require that serial dilutions of all reagents be performed to determine optimal working concentrations. Suggested starting concentrations are as follows:

Capture antibody	10 µg/mL
Primary antibody	1-2 µg/mL

## RELATED PRODUCTS

Positive control, <i>Salmonella typhimurium</i>	Catalog No. 50-74-01
Unlabeled Goat Anti- <i>Salmonella</i> , CSA-1	Catalog No. 01-91-99
Fluorescein Goat Anti- <i>Salmonella</i> , CSA-1	Catalog No. 02-91-99
Peroxidase Goat Anti- <i>Salmonella</i> , CSA-1	Catalog No. 04-91-99

See the KPL catalog or visit [www.kpl.com](http://www.kpl.com) for a wide selection of bacterial antibodies, other polyclonal antibodies, substrates, immunohistochemistry, and other protein detection reagents.

## 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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