



Magic™ Mouse Anti-Salmonella LPS

Monoclonal antibody, clone SAL3794 (DMAB-CS25125)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specific for the common LPS core of all Salmonella O-serogroups tested (A, B, C1, C2, D, E1, E3, E4, F, G1, G2) but negative for E. coli, Klebsiella, Citrobacter, Pseudomonas, Yersinia, Shigella, Proteus & Legionella.
Target	Salmonella LPS
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Salmonella
Clone	SAL3794
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA(Det), IF We recommend the following antibodies for sandwich ELISA (Capture - Detection): DMAB-CS25126 - DMAB-CS25125
Format	Liquid
Size	250 µg
Buffer	0.01 M PBS, pH 7.2 and contains 0.1% sodium azide.
Preservative	0.1% sodium azide

Storage

This purified antibody is stable when stored at 2-8°C. Do not freeze.

BACKGROUND

Introduction

Salmonella is a diverse group of Gram-negative bacteria known for causing a wide range of gastrointestinal illnesses in humans and animals. Salmonella infections, termed salmonellosis, can lead to symptoms such as diarrhea, abdominal cramps, fever, and vomiting. The bacteria possess a complex outer membrane, which includes lipopolysaccharides (LPS) that play a crucial role in interactions with the host immune system. Salmonella serotypes, characterized by variations in their LPS and other surface antigens, are used for strain differentiation. Certain serotypes like Salmonella Typhi and Salmonella Paratyphi are responsible for causing typhoid and paratyphoid fevers, respectively, while others, including Salmonella Enteritidis and Salmonella Typhimurium, are common causes of foodborne illnesses.

Keywords

Salmonella LPS; Salmonella; LPS
