

## ***Salmonella* sp. Antibody LPS core**

### **Purified**

### **Hybridoma Monoclonal Antibody**

#### **Product Information**

**Product No.:** S241

**Clone:** SAL-9697

**Isotype:** Mouse IgG2a

**Storage:** Sterile 2 to 8°C

### **Product Description**

#### **Specificity:**

Anti-*Salmonella* (Clone SAL-9697) is 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*.

#### **Background:**

*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.

#### **Known Reactivity Species:**

*Salmonella* sp.

#### **Format:**

Purified

#### **Formulation**

Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

#### **Purity**

≥90%

#### **Storage and Stability**

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

#### **Product Preparation**

This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.

#### **Applications**

**Applications and Recommended Usage (Quality Tested By Leinco):**

**ELISA:** 1:20-1:200 - **IF:** 1:10-1:50

#### **Country of Origin**

USA

#### **References**

- 1) Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Foodborne, Waterborne, and Environmental Diseases. [Link](#)