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# 12-8256: Anti-Salmonella sp., LPS core (SAL-9697)

**Clonality :** Monoclonal
**Clone Name :** SAL-9697
**Application :** ELISA,IF
**Isotype :** Mouse IgG2a

## 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.

## Product Info

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| **Amount :** | 250µg |
| **Purification :** | Purity: ≥90%<br>Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. |
| **Content :** | Concentration: ≥1.0 mg/ml<br>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. |
| **Storage condition :** | This purified antibody is stable when stored at 2-8°C. Do not freeze. |

## Application Note

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

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***