

Salmonella typhimurium (6331): sc-58026

BACKGROUND

Salmonella typhimurium, a Gram-negative, facultatively anaerobic, flagellated member of the Enterobacteria family, is a potent food-borne pathogen. It is the leading cause of a form of human gastroenteritis commonly referred to as Salmonellosis. Salmonellosis causes diarrhea, fever and abdominal cramps 12 to 72 hours after infection and may last for up to 7 days.

Salmonella typhimurium is readily transmitted through the feces of people or animals. Lipopolysaccharide (LPS) is the result of the joining of a lipid and a polysaccharide (carbohydrate) by a covalent bond. LPS is a major component of the cell membrane of all Gram-negative bacteria, and it contributes greatly to the structural integrity of the bacteria, protecting the membrane from certain types of chemical attacks. LPS is an endotoxin, and induces a strong response from normal animal immune systems, causing many of the characteristic symptoms of the infection.

REFERENCES

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SOURCE

Salmonella typhimurium (6331) is a mouse monoclonal antibody raised against a *Salmonella typhimurium* cell preparation.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Salmonella typhimurium (6331) is recommended for detection of *Salmonella typhimurium* by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.