

Salmonella A/B/C/D/E (513): sc-58019

BACKGROUND

Salmonella bacteria are the most frequently reported cause of foodborne illness. *Salmonella* is a genus composed of rod-shaped, highly mobile Gram-negative bacterium. This non spore-forming genus includes over 2,000 serotypes of *Salmonella* bacteria, organized into five different serogroups, *Salmonella* A, B, C, D and E. A widespread occurrence of *Salmonella* in animals, chiefly in swine and poultry, and also environmental sources, including water, soil, insects, kitchen surfaces, factory surfaces, raw meats and animal feces, causes Salmonellosis. Several species are mildly pathogenic, producing slight gastroenteritis, while others generate a case of serious and often fatal food poisoning. Symptoms are reminiscent of the flu and may include myalgia, fever, lethargy, cough, gastrointestinal discomfort and sore throat. There is no difference in taste, smell, or appearance in food infected with *Salmonella*. The bacteria persist in the intestinal tracts of infected animals and humans.

REFERENCES

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SOURCE

Salmonella A/B/C/D/E (513) is a mouse monoclonal antibody raised against heat killed *Salmonella paratyphi* whole cells.

PRODUCT

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

APPLICATIONS

Salmonella A/B/C/D/E (513) is recommended for detection of serogroups A, B, C, D and E of *Salmonella* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

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.