



Salmonella (IFR0111): sc-58022

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 5 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 the bacteria. The bacteria persist in the intestinal tracts of infected animals and humans.

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SOURCE

Salmonella (IFR0111) is a mouse monoclonal antibody raised against flagellin of *Salmonella hadar* origin.

PRODUCT

Each vial contains 500 µl culture supernatant containing IgG_{2b} with < 0.1% sodium azide.

APPLICATIONS

Salmonella (IFR0111) is recommended for detection of *Salmonella* by solid phase ELISA (starting dilution to be determined by researcher, dilution range 1:10-1:200).

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

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.