Background

Salmonella bacteria are the most frequently reported cause of foodborne illness. *Salmonella* is a genus composed of rod-shaped, highly mobile Gram-negative bacteria. This non-spore-forming genus includes more than 2,000 serotypes of *Salmonella* bacteria, organized into five different serogroups: *Salmonella* A, B, C, D and E. 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 malaise, fever, diarrhea, and vomiting.

*Salmonella* flagella contain the *Salmonella* antigen H, an antigen that is known to potently induce TNF-α and IL-1β. Antigen H and, therefore, *Salmonella* flagella play a dominant role in the activation of the host immune response. Antigen H can be highly variable among the various serotypes of *Salmonella*. When compared with other Gram-negative bacteria, *Salmonella* flagella exhibit the highest TNF-α-inducing activity.

References


Research Use

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

Source

*Salmonella flagella* (6301) is a mouse monoclonal antibody raised against *Salmonella* flagella.

Product

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

Applications

*Salmonella flagella* (6301) is recommended for detection of flagellum protein of *Salmonella* species including *galinarum*, *tennessee*, *enteriditis*, *anatum*, *cubana*, *cook*, *paratyphi* A, *pullorum* and *westphalia* of *Salmonella* origin 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.

Protocols

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