



Salmonella paratyphi 0-2 (10B10G): sc-52222

BACKGROUND

Salmonella paratyphi is a gram-negative, motile, facultatively anaerobic, rod-shaped microbe that is a member of the Enterobacteriaceae family. *Salmonella paratyphi* causes bacterial enteric fever, characterized by an abrupt onset of fever, malaise, headache, anorexia, enlargement of spleen, bradycardia and rose spots on trunk. The bacteria is transmitted by contact with faeces or, rarely, the urine of a carrier, or through contaminated food. After entering the small intestine wall, *Salmonella paratyphi* invades the lymphatic system and, after a period of multiplication, invades the blood stream. From there, the bacteria travels to the liver, gall bladder, spleen, kidney and bone marrow where it multiplies and causes infection of these organs. *Salmonella paratyphi* contains somatic and flagellar antigens. The O-2 factor is specific to group A *Salmonella*. The serovar *Paratyphi A* is restricted to humans and is a cause of typhoid fever in many parts of the world.

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SOURCE

Salmonella paratyphi 0-2 (10B10G) is a mouse monoclonal antibody raised against heat inactivated bacterial cells of *Salmonella paratyphi*.

PRODUCT

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

APPLICATIONS

Salmonella paratyphi 0-2 (10B10G) is recommended for detection of A-group O-2 antigen of *S. paratyphi* by 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.