Neisseria meningitidis (6171): sc-69940

BACKGROUND

Neisseria meningitidis is a Gram-negative bacteria responsible for the illness bacterial meningitis. Residing within the nasopharyngeal tract of humans, Neisseria meningitidis does not affect any other animals. Responsible for the only form of meningitis to cause epidemics, different strains of Neisseria meningitidis are characterized by a polysaccharide expressed on its capsule. This capsular polysaccharide antagonizes a T-independent immune response, further eluding long term immunity by conferring neither memory cell formation nor antibody affinity maturation. Though bacterial meningitis begins as a “sick all over syndrome”, it can quickly evolve from fever, headache and neck stiffness into coma and death. With mortality resulting in approximately 10% of all cases, suspicion of meningitis warrants a medical emergency necessitating immediate medical assessment. Persons most susceptible to the infection are often immunocompromised, immunosuppressed or suffering from head trauma. Others acquire infection through close contact with a primary carrier.

REFERENCES


SOURCE

Neisseria meningitidis (6171) is a mouse monoclonal antibody raised against Neisseria meningitidis serogroup C.

PRODUCT

Each vial contains 200 µg IgG in 1.0 mL PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Neisseria meningitidis (6171) is recommended for detection of serogroup C of Neisseria meningitidis origin 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 website at www.scbt.com for detailed protocols and support products.