SANTA CRUZ BIOTECHNOLOGY, INC.

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 approximatly 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

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SOURCE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of 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 web site at www.scbt.com for detailed protocols and support products.