

Neisseria gonorrhoeae (15803): sc-73448

BACKGROUND

Neisseria gonorrhoeae is a bacteria that causes the disease gonorrhea. Spread through sexual contact, *Neisseria gonorrhoeae* usually colonizes the mucous membranes of the urethra. The resulting infection may spread from there to other tissues, such as the female endocervix. *Neisseria* species require unique nutrients to survive and proliferate. *Neisseria gonorrhoeae* is a Gram-negative bacteria that effectively establishes itself by attaching its fimbriae to nonciliated epithelial cells. Its mechanism of pathogenesis is furthered by producing both a highly toxic lipopolysaccharide endotoxin, and also IgA proteases in order to promote virulence. Common symptoms of the disease gonorrhea include purulent genital discharge and a burning sensation during urination. *Neisseria gonorrhoeae* is resistant to the penicillin family.

REFERENCES

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SOURCE

Neisseria gonorrhoeae (15803) is a mouse monoclonal antibody raised against a pool of UV-inactivated *Neisseria gonorrhoeae* cells: *Neisseria* Reference Laboratory strains G-7, R-11 and 71222 (W-I), 5766 and 8038 (W-II), 8660 (W-III).

PRODUCT

Each vial contains 100 μ g IgG_{2b} in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Neisseria gonorrhoeae (15803) is recommended for detection of *Neisseria gonorrhoeae* by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with *N. meningitidis*, *N. cinerea*, *N. lactamica*, *N. sicca*, *B. cataffhalis*, *E. coli*, *P. mirabilis*, *Gardnerella vaginalis*, Group B. *Srep.* or *Chlamydia*.

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.