

C. trachomatis MOMP (15115): sc-73436

BACKGROUND

Chlamydia is caused by the bacterium *Chlamydia trachomatis*. The intracytoplasmic inclusions caused by the bacterium are draped around the infected nucleus of the cell. *C. trachomatis* is an intracellular organism that has a genome size of approximately 500-1,000 kb and contains both RNA and DNA. It exists as 15 different serotypes which cause four major diseases in humans: endemic trachoma (caused by serotypes A and C), sexually transmitted disease and inclusion conjunctivitis (caused by serotypes D and K) and lymphogranuloma venereum (caused by serotypes L1, L2 and L3). *Chlamydia* usually infects the cervix and fallopian tubes of women and the urethra of men. It is one of the leading causes of blindness in underdeveloped countries. Most strains of *C. trachomatis* are recognized by monoclonal antibodies to epitopes in the VS4 region of the major outer membrane protein (MOMP).

REFERENCES

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RESEARCH USE

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

SOURCE

C. trachomatis MOMP (15115) is a mouse monoclonal antibody raised against *C. trachomatis*.

PRODUCT

Each vial contains 100 µg IgG₃ in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

C. trachomatis MOMP (15115) is recommended for detection of major outer membrane protein serotypes A, B, Ba, C-K and L1-3 of *Chlamydia trachomatis* 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.