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 500-1000 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 MOMP.

REFERENCES

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

SOURCE
*C. trachomatis* (BDI168) is a mouse monoclonal antibody raised against *C. trachomatis* LGV2 elementary bodies.

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

APPLICATIONS
*C. trachomatis* (BDI168) is recommended for detection of LPS of *Chlamydia* species and with elementary bodies from serotypes L2, D, E, F, G, H, I, J and K of *Chlamydia trachomatis* origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500); may cross-react with *C. pneumoniae* and *C. psittaci*.

SELECT PRODUCT CITATIONS

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.