**BACKGROUND**

Lyme disease is a vector-borne, multisystem inflammatory disease caused by the *Borrelia burgdorferi* complex. *B. burgdorferi* is divided into at least 11 species including *Borrelia burgdorferi sensu stricto*. *B. burgdorferi sensu stricto* resides in the cerebrospinal fluid of mammals in Europe and the United States and is most often associated with Lyme arthritis. *B. burgdorferi sensu stricto* commonly undergoes genome-wide genetic exchange, including plasmid transfers. This frequent recombination implies a potential for rapid adaptive evolution as well as a possible polygenic basis of *B. burgdorferi sensu stricto* pathogenicity.

**REFERENCES**


**SOURCE**

*Borrelia burgdorferi sensu stricto* (Bss42) is a mouse monoclonal antibody raised against bacterial lysates of *Borrelia burgdorferi sensu stricto* origin.

**PRODUCT**

Each vial contains 100 µg IgG2a in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

*Borrelia burgdorferi sensu stricto* (Bss42) is recommended for detection of *Borrelia burgdorferi sensu stricto* by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and 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.