

Datasheet



Mouse mAb to **Borrelia burgdorferi**
Clone **EBS-I-014**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with a crude sonicate of Borrelia spirochetes.

Specifications

EBS-I-014 reacts with flagellar core protein of Borrelia species including B.burgdorferi. B.burgdorferi is a species of bacteria of the spirochete class of the genus Borrelia causing Lyme disease, a vector-borne, multisystem inflammatory disease which is transmitted to humans by the bite of ticks of the Ixodes ricinus complex.

Species reactivity

Positive: B.burgdorferi & B.spirochetes.

Applications

Identification of Borrelia including B.burgdorferi in frozen sections, immunofluorescence and ELISA.

ELISA	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	-

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- ELISA (solid phase: not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an antigen retrieval method enabling staining of formalin-fixed tissues has not been found so far).

Positive control

B.burgdorferi & B.spirochetes.

References

- Busch, U. et al, *J. Clin. Microbiol.* **34**: 1072-1078 (1996).

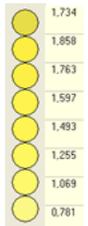


Figure 1:
1:3
Titration
by ELISA