

Datasheet: 1439-9446

Description:	RABBIT ANTI BORRELIA BURGENDORFERI:FITC
Specificity:	BORRELIA BURGENDORFERI
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
ELISA			▪	
Western Blotting			▪	
Immunofluorescence (1)	▪			1/10 - 1/50

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

(1) **Acetone fixation is recommended for best results.**

Target Species	Bacterial						
Product Form	Purified Ig conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
Buffer Solution	Phosphate buffered saline						
Preservative	0.1% Sodium Azide (NaN ₃)						
Stabilisers	1% Bovine Serum Albumin						
Approx. Protein Concentrations	IgG concentration 4 mg/ml						
Immunogen	Whole cell preparation from <i>B. burgdorferi</i> .						
RRID	AB_616819						

Specificity Rabbit anti *Borrelia burgdorferi* recognizes one of the causative agents of Lyme disease. *B. burgdorferi* is a spirochaete bacterium and one of the few pathogenic bacteria capable of surviving in the absence of iron.

This antibody cross reacts with *Treponema pallidum*, *Borrelia hermsii* and *Borrelia parkeri*.

References

1. De Socio, G.V. *et al.* (2011) Malignant syphilis with ocular involvement in an HIV-infected patient. [Int J STD AIDS. 22: 298-300.](#)
2. Drago, F. *et al.* (2015) Primary syphilis of the oropharynx: an unusual location of a chancre. [Int J STD AIDS. 26 \(9\): 679-81.](#)
3. Drago, F. *et al.* (2012) Luetic lymphadenopathy despite negative serology [Int J STD AIDS. 23: 601-2.](#)
4. Haedersdal, M. & Weismann, K. (2000) Syphilitic chancre despite use of condoms: "condom chancre". [Acta Derm Venereol. 80 \(3\): 235-6.](#)
5. Janus, I. *et al.* (2014) Myocarditis in dogs: etiology, clinical and histopathological features (11 cases: 2007-2013). [Ir Vet J. 67 \(1\): 28.](#)
6. Briciu, V.T. *et al.* (2016) Immunohistochemistry and real-time PCR as diagnostic tools for detection of *Borrelia burgdorferi* sensu lato in ticks collected from humans. [Exp Appl Acarol. 69 \(1\): 49-60.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

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