

Datasheet: 1439-9446

Description:	RABBIT ANTI BORRELIA BURGDORFERI:FITC
Specificity:	BORRELIA BURGDORFERI
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	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)		
	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 5 mg/ml		
Immunogen	Whole cell preparation from <i>B. burgdorferi</i> .		

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 This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/1439-9446>
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Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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