

## Datasheet: 1439-9446

<b>Description:</b>	RABBIT ANTI BORRELIA BURGENDORFERI:FITC
<b>Specificity:</b>	BORRELIA BURGENDORFERI
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Bacterial						
<b>Product Form</b>	Purified Ig conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
<b>Max Ex/Em</b>	<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					
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )						
<b>Stabilisers</b>	1% Bovine Serum Albumin						
<b>Approx. Protein Concentrations</b>	IgG concentration 4 mg/ml						
<b>Immunogen</b>	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*.

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**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.](#)

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**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.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10304 available at: 10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

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**Regulatory** For research purposes only

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