Datasheet: 1439-9446

BATCH NUMBER 150586

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 4 mg/ml

Immunogen	Whole cell preparation from *B. burgdorferi*.
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: https://www.bio-rad-antibodies.com/SDS/1439-9446 10041
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

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