

Polyclonal Antibody to *Borrelia burgdorferi* - FITC

Catalog No.:	BP1002F
Quantity:	1 ml
Concentration:	4-5 mg/ml (OD280 nm, E0.1% = 1.4)
Background:	<p><i>B. burgdorferi</i> is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. <i>B. burgdorferi</i> may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response.</p> <p><i>B. burgdorferi</i> resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. <i>B. burgdorferi</i> has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.</p>
Host:	Rabbit
Immunogen:	Whole cell preparation from <i>B. burgdorferi</i>
Format:	<p>State: Liquid purified Ig fraction.</p> <p>Buffer System: 0.01M PBS, pH 7.2 with 10 mg/ml BSA as stabilizer and 0.09% sodium azide as preservative</p> <p>Label: FITC – Highly purified Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product</p>
Applications:	<p>Immunohistochemistry on paraffin sections. Acetone fixation of the antigen source is recommended prior to staining.</p> <p>Direct IFA staining of target antigens in a permissive tissue culture system.</p> <p>Western blot.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>Reacts with 83, 41, 34 and 31 kD proteins and their fragments in Western blots.</p> <p>Reacts also with <i>T. pallidum</i>, <i>B. hermsii</i> and <i>B. parkerii</i>.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>
Product Citation:	<p>Unconjugated antibody is cited in:</p> <p>1. Klaus Eisendle, Tanja Grabner, Heinz Kutzner, and Bernhard Zelger Possible Role of <i>Borrelia burgdorferi</i> Sensu Lato Infection in Lichen Sclerosus Arch Dermatol, May 2008; 144: 591 - 598.</p>
General References:	<p>1. Marques, Adriana R., et al. Detection of Immune Complexes is not Independent of Detection of antibodies in Lyme Disease Patients and does not confirm active infection</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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with *Borrelia burgdorferi*. Clinical and Diagnostic Laboratory Immunology, 12(9), 1036-1040 (2005).

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