

Product datasheet for **BP1002F**

Borrelia burgdorferi Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections. Acetone fixation of the antigen source is recommended prior to staining. Direct IFA staining of target antigens in a permissive tissue culture system. Western blot.
Reactivity:	<i>Borrelia burgdorferi</i>
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Whole cell preparation from <i>B. burgdorferi</i> .
Specificity:	Reacts with 83, 41, 34 and 31 kD proteins and their fragments in Western blots. Reacts also with <i>T. pallidum</i> , <i>B. hermsii</i> and <i>B. parkerii</i> .
Formulation:	0.01M PBS, pH 7.2 with 10 mg/ml BSA as stabilizer and 0.09% sodium azide as preservative Label: FITC State: Liquid purified Ig fraction. Label: Highly purified Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store 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. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

B. burgdorferi is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. *B. burgdorferi* may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response.

B. burgdorferi resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. *B. burgdorferi* has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.