

## Product datasheet for **BP1002**

### **Borrelia burgdorferi Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence:</b> IFA specimens should be acetone-fixed for best results. <b>Immunohistochemistry on Formalin Fixed, Paraffin Embedded Sections.</b> <b>Western Blot:</b> Detect bands at 83kD, 41kD, 34kD and 31kD and additional low MW bands. Also suitable for Conjugation purposes.
Reactivity:	Bacteria
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Whole cell preparation from <i>B. burgdorferi</i> (Strain: B31 ATCC#35210)
Specificity:	The antibody recognizes <i>B. burgdorferi</i> . It cross-reacts with <i>Treponema pallidum</i> , <i>B. hermsii</i> and <i>B. parkerii</i> .
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction (>95% pure) Stabilizer: None Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to six months or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

*Borrelia 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.