

## Product datasheet for **BP1002HRP**

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

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>Western blot.</b> <b>Immunocytochemistry.</b> <b>Immunohistochemistry on Formalin-Fixed Paraffin Sections.</b>
Reactivity:	<i>Borrelia burgdorferi</i>
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Whole cell preparation from <i>B. burgdorferi</i> .
Specificity:	Reactive Western blot bands at 83 kD, 41 kD, 34 kD, 31 kD and additional low MW bands. Cross-reacts with <i>Treponema pallidum</i> , <i>B. hermsii</i> and <i>B. parkerii</i> .
Formulation:	PBS Label: HRP State: Liquid purified Ig fraction Stabilizer: 10 mg/ml BSA Preservative: 0.002% Thimerosal Label: Highly purified preparation of horseradish peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed Molar ratio: Estimated molar HRP: IgG substitution is 2-3.
Concentration:	lot specific
Conjugation:	HRP
Storage:	Store the antibody undiluted at 2-8°C for one month 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.