

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: B65304P **Lot #:** 4A00622

Description: Rabbit anti *B. burgdorferi*
Rabbit Antibody to *Borrelia burgdorferi*
Horseradish Peroxidase Conjugated

Specificity: Reactive Western Blot bands at 83 kD, 41 kD, 34 kD and 31 kD and additional low MW bands. Cross-reacts with *Treponema pallidum*, *B. hermsii* and *B. parkerii*.

Host Animal: Rabbit

Immunogen: Whole cell preparation from *B. burgdorferi*.

Format: HRP, Liquid
Note: Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.

Purification: Purified IgG fraction of antiserum covalently coupled to a highly purified preparation of Horseradish Peroxidase (RZ > 3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed.

Concentration: 1-2 mg/mL (OD_{280nm}, E^{0.1%} = 1.4)

Buffer: Phosphate Buffered Saline containing 10 mg/mL BSA.

Preservative: 0.002% Thimerosal

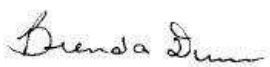
Applications: Suitable for use in Western Blot, Immunocytochemistry and Immunohistochemistry (formalin-fixed/paraffin). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The reference listed below is for research purposes only:
Marques, Adriana R., et al., (2005), "Detection of Immune Complexes is not Independent of Detection of antibodies in Lyme Disease Patients and does not confirm active infection with *Borrelia burgdorferi*", Clinical and Diagnostic Laboratory Immunology, **12**(9), 1036-1040.

Quality Signature:



07JAN2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY