

Antibody Datasheet

Name: Rabbit Anti-Borrelia burgdorferi sensu stricto (B31) OspC Antibody

Product Code: PAB21455-25

Batch #:

Date of Manufacture:

Product Description: Rabbit polyclonal antibody specific for Borrelia burgdorferi OspC

Isotype: IgG

Amount: 0.025 ml

Concentration: 1.0 mg/ml

Purity: >95%

Presentation: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Immunogen: Recombinant MBP tagged B. burgdorferi OspC protein

Purification: Protein-A purified and cross-adsorbed against MBP from monospecific antiserum by chromatography

Specificity: This antibody is specific for Borrelia burgdorferi OspC protein. A BLAST analysis was used to suggest cross-reactivity with p39 from B. burgdorferi, afzelii, and valaisiana sources based on 100% homology with the immunizing sequence. Partial reactivity is expected against B. japonica and americana sources based on 94% homology. Cross-reactivity with OspC from other sources has not been determined.

Applications: ELISA (to be user optimized), WB (1:1000)

Usage Guidelines

Short Term Storage: -20°C

Long Term Storage: ≤ -20°C

Storage Guidelines: This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

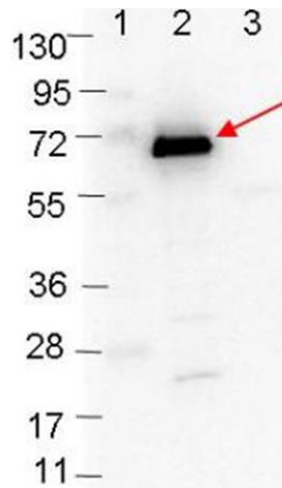


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Western Blot: Western blot showing detection of 0.1 µg of recombinant OspC protein. Protein was run on a 4-20% gel, then transferred to 0.45 µm nitrocellulose. After blocking with 1% BSA-TTBS overnight at 4°C, primary antibody was used at 1:1000 at room temperature for 30 min. HRP-conjugated Goat-Anti-Rabbit secondary antibody was used at 1:40,000 in blocking buffer and imaged on the VersaDoc™ MP 4000 imaging system (Bio-Rad).



Lane 1: Molecular weight markers.
Lane 2: MBP-OspC fusion protein (arrow; expected MW: 63.1 kDa).
Lane 3: MBP alone.

X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

