

## Antibody Datasheet

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

**Product Code:** PAB21455-100

**Batch #:**

**Date of Manufacture:**

**Product Description:** Rabbit polyclonal antibody specific for Borrelia burgdorferi OspC

**Isotype:** IgG

**Amount:** 0.1 mg

**Concentration:** 0.95 mg/ml

**Purity:** >95%

**Presentation:** Lyophilized

**Reconstitution:** Restore with 0.1 ml deionized water (or equivalent)

**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 OspC from B. burgdorferi and sources based on 100% homology with the immunizing sequence. Cross-reactivity with OspC or Osp from other sources has not been determined.

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

### Usage Guidelines

**Short Term Storage:** Store vial at +4°C prior to restoration. For extended storage aliquot contents and freeze at ≤ -20°C

**Long Term Storage:** ≤ -20°C

**Storage Guidelines:** Centrifuge product if not completely clear after standing at room temperature. Avoid cycles of freezing and thawing.

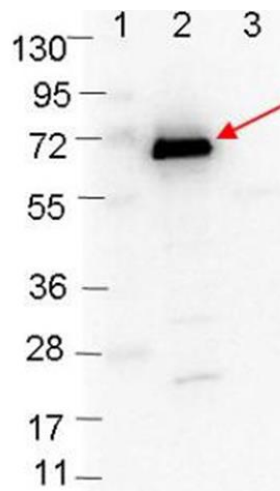


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**Western Blot:** Western blot showing detection of 0.1 µg of recombinant OspC protein. Protein was run on a 4-20% gel, then transferred to 0.45 µm nitrocellulose. After blocking with 1% BSA-TTBS overnight at 4°C, primary antibody was used at 1:1000 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

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QC

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

