

Antibody Datasheet

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

Product Code: PAB21454-100

Batch #:

Date of Manufacture:

Product Description: Rabbit polyclonal antibody specific for Borrelia burgdorferi OspA.

Isotype: IgG

Amount: 0.1 mg

Concentration: mg/ml

Purity: >95%

Presentation: Lyophilized

Rehydration: Restore with 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 OspA protein

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

Specificity: This antibody is specific for Borrelia burgdorferi OspA protein. A BLAST analysis was used to suggest cross-reactivity with OspA from B. burgdorferi and sources based on 100% homology with the immunizing sequence.

Cross-Reactivity: Cross-reactivity with OspA or Osp from other sources has not been determined.

Applications: ELISA (1:5000), WB (1:1000)

Usage Guidelines

Storage: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after



standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid.

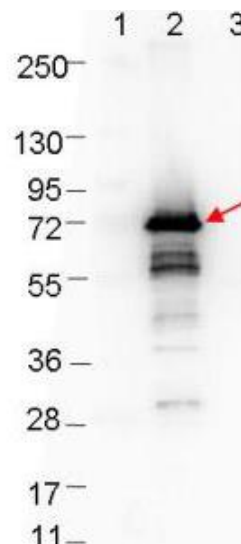
Dilute only prior to immediate use.

Western Blot: Western blot showing detection of 0.1 µg of recombinant OspA 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-OspA fusion protein (arrow; expected MW: 70.5 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.



www.thenativeantigencompany.com
VAT No: 102038475

NAC.Contact@LGCGroup.com
Registration No. 7386339