

Antibody Datasheet

Name: Rabbit Anti-Borrelia burgdorferi sensu stricto (B31) P35 Antibody

Product Code: PAB21456-25 / PAB21456-100

Batch #:

Date of Manufacture:

Product Description: Purified rabbit anti Borrelia burgdorferi P35 antibody, unconjugated.

Isotype: IgG

Amount: 0.025 mg / 0.1 mg

Concentration: 1.0 mg/ml

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 P35 protein

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

Specificity: This antibody is specific for Borrelia burgdorferi p35 protein.

Cross-Reactivity: A BLAST analysis was used to suggest cross-reactivity with p35 from B. burgdorferi, garinii, and afzelii sources based on 100% homology with the immunizing sequence. Cross-reactivity with p35 from other sources has not been determined.

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

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

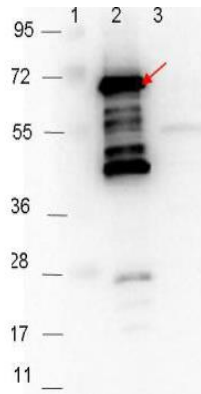
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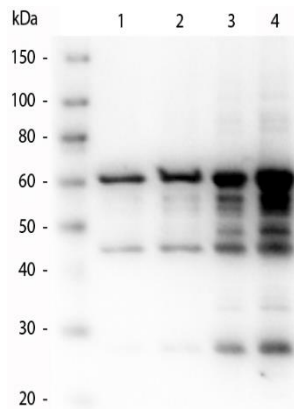
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Western Blot: WB showing detection of 0.1 µg of recombinant P35 protein. Lane 1: Molecular weight markers. Lane 2: MBP-P35 fusion protein (arrow; expected MW: 69.5 kDa). Lane 3: MBP alone. Protein was run on a 4-20% gel, then transferred to 0.45 µm 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).



Western Blot: WB of Rabbit anti-P35 antibody. Lane 1: P35 recombinant protein 50 ng loaded. Lane 2: p35 recombinant protein 100 ng loaded. Lane 3: p35 recombinant protein 250 ng loaded. Lane 4: p35 recombinant protein 500 ng loaded. Primary antibody: P35 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocked for 30 min at room temperature. Predicted/Observed size: 60 kDa for P35. Other band(s): P35 splice variants and isoforms.



X

QC

X

QA

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