ROCKLAND
Immunochemicals for Research

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Certificate of Analysis

Product: Protein A Purified Murine Monoclonal Anti-Bovine Serum Albumin

Code: 201-301-033 **Lot #:** 10024

Size: 0.5 mg **Clone:** 5F9

Isotype: IgG_1 **Physical State:** Liquid (sterile filtered)

Antibody Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)

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

Stabilizer: None **Preservative:** 0.02% (w/v) Sodium Azide

Storage Conditions: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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. Expiration date is one (1) year from date of opening.

Application Note(s): This protein A purified monoclonal antibody against bovine serum albumin has been tested for use in immunoblotting and ELISA. The antibody may be suitable for other applications, although no supporting data is available.

Recommended Dilutions: This product was assayed by immunoblot using IRDye800™ Goat-anti-Mouse IgG. A working dilution of 1:5,000 is suggested for this assay. For ELISA a working dilution of 1:100,000 is suggested using Protein A HRP and TMB as a substrate for 30 minutes at room temperature. Researchers should determine optimal titers for other applications.

Purity and Specificity: This protein A purified mouse monoclonal antibody reacts with bovine serum albumin. The antibody recognizes a 66 kDa band corresponding to bovine serum albumin monomer. No cross reactivity is detected against other serum proteins by immunoblot. No reactivity is detected by ELISA against human serum albumin or ovalbumin.

Figure – Anti-Bovine Serum Albumin is shown to detect BSA in bovine serum diluted 1:100 (lane 1) and in purified BSA preparations at 0.5 mg/ml (lane 2). In both lanes 20 ul of sample was applied. Primary antibody is diluted 1:5000 in PBS and is reacted for 1.5 h at room temperature. Detection occurs using a 1:5000 dilution of IRDye800™ Conjugated Goat-a-Mouse IgG reacted for 1 h at room temperature. Visualization is by near-infrared (IR) western blotting analysis using the Odyssey® Infrared Imaging System developed by LI-COR. Other detection systems will yield similar results. IRDye is a trademark of LI-COR Biosciences, Lincoln, NE.

Immunogen: This protein A purified monoclonal antibody was produced after repeated immunizations of balb/c mice with bovine serum albumin.

Hybridoma: Produced by the fusion between mouse splenocytes and mouse myeloma SP2/0 cells using conventional hybridoma technology.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.