

Anti-Bovine Serum Albumin (MOUSE) Monoclonal Antibody (BSA) - 201-301-033

Code: 201-301-033

Size: 500 µg

Product Description: Anti-Bovine Serum Albumin (MOUSE) Monoclonal Antibody (BSA) - 201-301-033

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Mouse
Gene Name	ALB
Species Reactivity	bovine
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	mouse anti-Bovine Serum Albumin Antibody, mouse anti-BSA Antibody, ALB antibody, Albumin antibody, Allergen Bos d 6 antibody, BSA antibody
Application Note	Anti-ALB antibody is suitable for western blotting and ELISA. The antibody may be suitable for other applications, although no supporting data is available.
Background	Bovine Serum Albumin antibody detects BSA. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca ²⁺ , Na ⁺ , K ⁺ , fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. ALB is the major zinc transporter in plasma; it typically binds about 80% of all plasma zinc. BSA antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.
Purity And Specificity	Bovine Serum Albumin monoclonal antibody was purified from concentrated tissue culture supernate by Protein A chromatography and 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.
Assay Dilutions	User Optimized
ELISA	1:120,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Bovine Serum Albumin antibody was produced by repeated immunizations of balb/c mice with bovine serum albumin.
Specific Reference	Pinwattana, K., Wang, J., Lin, C. T., Wu, H., Du, D., Lin, Y., & Chailapakul, O. (2010). CdSe/ZnS quantum dots based electrochemical immunoassay for the detection of phosphorylated bovine serum albumin. Biosensors and Bioelectronics, 26(3), 1109-1113.

Related Products

600-401-033	Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody - 600-401-033
610-103-121	Anti-MOUSE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-103-121

610-4320	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated (Min X Human Serum Proteins) - 610-4320
610-442-020	Anti-MOUSE IgG (H&L) (RABBIT) Antibody DyLight™ 549 Conjugated (Min X Human Serum Proteins) - 610-442-020

Related Links

NCBI - AAA51411.1

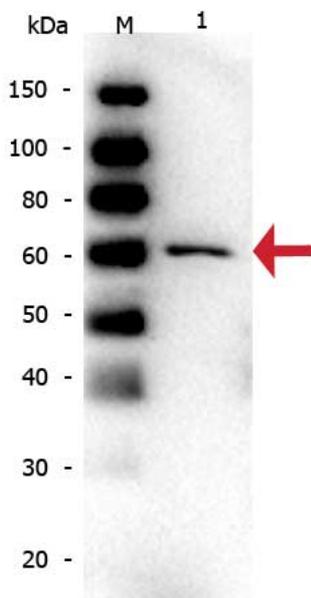
<http://www.ncbi.nlm.nih.gov/protein/AAA51411.1>

UniProtKB - <http://www.uniprot.org/uniprot/P02769>

GeneID - 280717

Images

1 Western Blot of Mouse anti-Bovine Serum Albumin Monoclonal Antibody. Lane 1: Bovine Serum Albumin. Load: 50 ng per lane. Primary antibody: Bovine Serum Albumin antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase mouse secondary antibody at 1:40,000 for 30 min at RT. Block: 0.75% Casein for 30 min at RT. Predicted/Observed size: 60 kDa, 60 kDa for Bovine Serum Albumin.



Disclaimer

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. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.