

Datasheet for 201-4133-0025**Bovine Serum Albumin Antibody BSA****Overview**

Description:	Anti-Bovine Serum Albumin (RABBIT) Antibody - 201-4133-0025
Item No.:	201-4133-0025
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

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.
Synonyms:	ALB antibody, Albumin antibody, Allergen Bos d 6 antibody, BSA antibody, DKFZp779N1935 antibody, rabbit Anti-BSA, rabbit anti-bovine serum albumin
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ALB
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Anti-Bovine Serum Albumin antibody was produced by repeated immunizations with bovine serum albumin.

Purity/Specificity: Bovine Serum Albumin antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Albumin (Bovine Serum). Cross reactivity against Albumin from other tissues and species may occur but has not been specifically determined.

Relevant Links:

- [NCBI - AAA51411.1](#)
- [GeneID - 280717](#)
- [UniProtKB - P02769](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Bovine Serum Albumin (BSA) antibody has been tested by western blot and ELISA and is suitable in dot blot, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000 - 1:100,000

IHC: 1:1,000 - 1:5,000

WB: 1:2,000-1:10,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/ml by UV absorbance at 280 nm

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

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

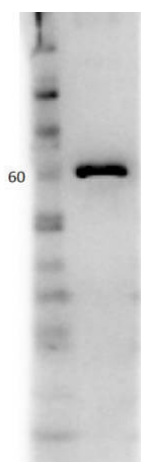
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

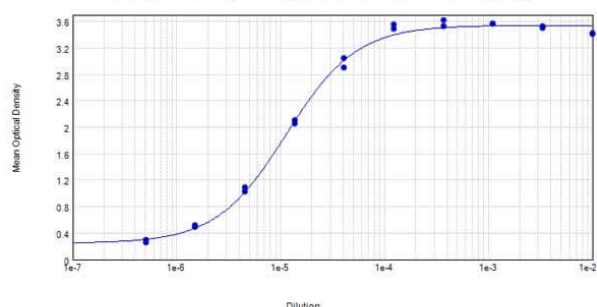
Images



Western Blot

Western Blot of Rabbit Anti-BSA Antibody. Lane 1: Molecular Weight Marker. Lane 2: BSA. Primary Antibody: Rabbit anti-Bovine Serum Albumin at 1:1000 overnight at 2-8°C. Secondary Antibody: Goat anti-Rabbit Peroxidase conjugated (p/n 611-103-122) at 1:40000 for 30min at RT. Blocking: 5% goat serum.

Anti-Bovine Serum Albumin Sensitivity



ELISA

ELISA results of purified Rabbit anti-Bovine Serum Albumin Antibody tested against Bovine Serum Albumin. Each well was coated in duplicate with 1.0 µg of the antigen. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gel, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) (p/n 611-103-122) and TMB ELISA Peroxidase Substrate (p/n TMBE-1000).

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.