

**Datasheet for 201-4133-0100****Bovine Serum Albumin Antibody BSA****Overview**

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| <b>Description:</b>  | Anti-Bovine Serum Albumin (RABBIT) Antibody - 201-4133-0100 |
| <b>Item No.:</b>     | 201-4133-0100                                               |
| <b>Size:</b>         | 100 µg                                                      |
| <b>Applications:</b> | ELISA, WB                                                   |
| <b>Reactivity:</b>   | Bovine                                                      |
| <b>Host Species:</b> | Rabbit                                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Bovine Serum Albumin antibody detects BSA. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca <sup>2+</sup> , Na <sup>+</sup> , K <sup>+</sup> , 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. |
| <b>Synonyms:</b>     | ALB antibody, Albumin antibody, Allergen Bos d 6 antibody, BSA antibody, DKFZp779N1935 antibody, rabbit Anti-BSA, rabbit anti-bovine serum albumin                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | ALB                                                                                                  |
| <b>Reactivity:</b>     | Bovine                                                                                               |
| <b>Immunogen Type:</b> | Native Protein                                                                                       |
| <b>Immunogen:</b>      | 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:** Lyophilized

**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

**Reconstitution Volume:** 100  $\mu$ L

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

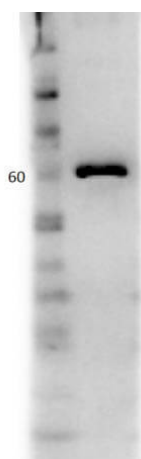
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** 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.

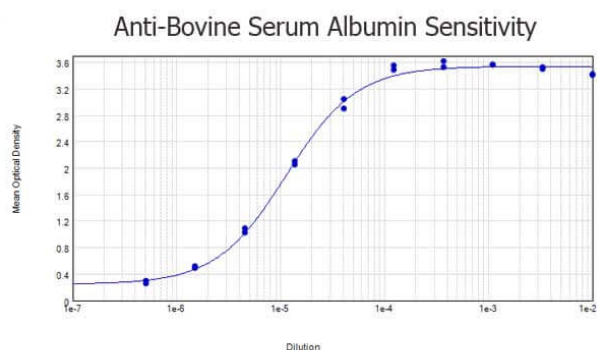
**Expiration:** Expiration date is one (1) year from date of receipt.

## 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.



### 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.