

Datasheet for 201-4633**Bovine Serum Albumin Antibody Biotin Conjugated****Overview**

Description:	Anti-Bovine Albumin (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 201-4633
Item No.:	201-4633
Size:	10 mg
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Anti-BSA antibody is specific for the full-length BSA precursor protein is 607 amino acids in length. An N-terminal 18-residue signal peptide is cut off from the precursor protein upon secretion, and an additional 4 amino acids is cleaved to yield the mature BSA protein that contains 585 amino acids. BSA has numerous biochemical applications including ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry, and it is also used as a nutrient in cell and microbial culture. BSA is used as a stabilizer for some proteins and enzymes. This protein does not affect other enzymes that do not need it for stabilization.
Synonyms:	Allergen Bos d 6 antibody, BSA antibody, DKFZp779N1935 antibody, rabbit anti-bovine albumin biotin conjugation, ALB antibody, Albumin antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ALB
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Albumin (Bovine Serum)

Purity/Specificity: Bovine serum antibody was purified as 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Albumin (Bovine Serum]. Cross reactivity against Albumin from other sources may occur but have not been specifically determined.

Relevant Links:

- [NCBI - CAA76847.1](#)
- [UniProtKB - P02769](#)
- [GeneID - 280717](#)

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-BSA Biotin Conjugated antibody has been tested by ELISA and western blot for detection of bovine serum albumin in biological samples and is suitable in immunohistochemistry assays. Specific dilutions are recommended but should be optimized by researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000
IHC:	1:300 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	10.0 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:	10 mg/ml Polyethylene Glycol (PEG-8000)
Reconstitution Volume:	1.0 mL
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.

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.