

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

Description:	Anti-Bovine Albumin (RABBIT) Antibody Biotin Conjugated - 201-4633S
Item No.:	201-4633S
Size:	25 µL
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: 1:1,000 - 1:5,000

IHC: 1:250 - 1:1,250

WB: 1:500 - 1:2,500

Other: User Optimized

Formulation

Physical State: Liquid (sterile filtered)

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

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: 10 mg/ml Polyethylene Glycol (PEG-8000)

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. 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.

Disclaimer

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