

Datasheet for 201-4333S**Bovine Serum Albumin Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Bovine Albumin (RABBIT) Antibody Peroxidase Conjugated - 201-4333S
Item No.:	201-4333S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Bovine serum albumin (also known as BSA or "Fraction V") is a serum albumin protein derived from cows. It is often used as a protein concentration standard. BSA is used to stabilize some enzymes during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes, pipet tips, and other vessels. This protein does not affect other enzymes that do not need it for stabilization. BSA is also commonly used to determine the quantity of other proteins, by comparing an unknown quantity of protein to known amounts of BSA. BSA is used because of its stability to increase signal in assays, its lack of effect in many biochemical reactions, and its low cost, since large quantities of it can be readily purified from bovine blood, a byproduct of the cattle industry. Anti-Bovine albumin antibody is ideal for investigators involved in serum protein component research.
Synonyms:	rabbit anti-bovine albumin peroxidase conjugation, rabbit anti-bovine albumin HRP conjugation, rabbit anti-BSA HRP conjugated antibody, rabbit anti-bovine serum albumin peroxidase conjugated antibody, ALB antibody, Albumin antibody, HRP conjugated Anti-Bovine serum albumin antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ALB
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Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Albumin (Bovine Serum)
Purity/Specificity:	Anti-BOVINE ALBUMIN (RABBIT) 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-Peroxidase, 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 have not been specifically determined.
Relevant Links:	• 201-4333 SDS • NCBI - CAA76847.1 • UniProtKB - P02769 • GeneID - 280717

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-BOVINE ALBUMIN Peroxidase Conjugated Antibody has been tested by ELISA and western blot and is suitable for dot blot, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. It is also used as a nutrient in cell and microbial culture. Specific conditions should be optimized by user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IHC:	1:250 - 1:1,000
WB:	1:500 - 1:2,000

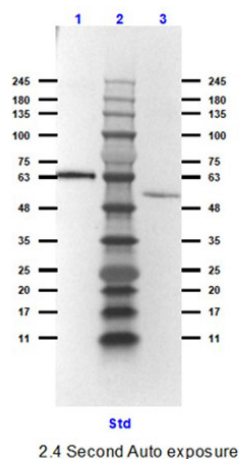
Formulation

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) Gentamicin Sulfate. Do NOT add 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.

Images



Western Blot

Western Blot of Rabbit Anti-Bovine Albumin Antibody Peroxidase Conjugated.

Lane 1: Bovine Serum Albumin [0.5µg] reduced.

Lane 2: Prestained molecular weight marker (p/n MB-210-0500).

Lane 3: Bovine Serum Albumin [0.5µg] non-reduced.

Primary Antibody: Rabbit anti-Bovine Serum Albumin Peroxidase Conjugated at 1:1000 overnight at 2-8°C.

Secondary Antibody: none.

Blocking: 5% BLOTTO in TBS.

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.