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Datasheet for 101-4133

Bovine Serum Albumin Antibody

Overview

Description:	Anti-Bovine Albumin (RABBIT) Antibody (BSA) - 101-4133
Item No.:	101-4133
Size:	2 mL
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Anti-Bovine Serum Albumin antibody detects BSA. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca2+, 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:	Rabbit Anti-Bovine Serum Albumin Antibody, Rabbit Anti-BSA, ALB antibody, Albumin antibody, Allergen Bos d 6 antibody, BSA antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

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 supplied in the form of monospecific antiserum prepared by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against 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:	• NCBI - CAA76847.1 • UniProtKB - P02769 • GeneID - 280717

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Bovine Albumin antibody has been tested in ELISA and western blot and is suitable for IHC. The antibody may be suitable for other applications, although no supporting data is available.
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

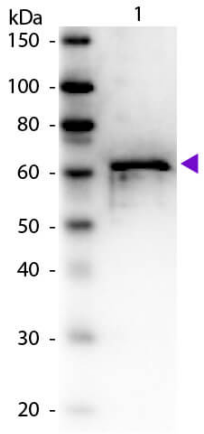
Physical State:	Lyophilized
Concentration:	85 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

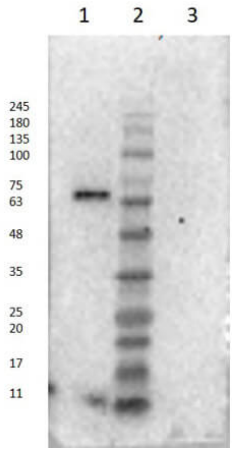
Shipping Condition:	Ambient

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.

Images



Western Blot
Western Blot of Rabbit anti-Bovine Serum Albumin antibody. Lane 1: BSA (p/n 001-0133). Load: 50 ng per lane. Primary antibody: BSA antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: 5% BLOTTO-TBS for 30 min at RT. Predicted/Observed size: 66 kDa, 66 kDa for BSA. Other band(s): None.



Western Blot
Western Blot of Rabbit anti-Bovine Serum Albumin antibody. Lane 1: BSA (p/n 001-0133) Reduced [20ng]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: BSA (p/n 001-0133) Non-Reduced [20ng]. Primary antibody: Rabbit anti-BSA antibody at 1:10,000 for overnight at 4°C. Secondary antibody: Goat Anti-Rabbit IgG HRP MX10 secondary antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Block: 5% BLOTTO-TBS for 60 min at RT. Predicted/Observed size: 66 kDa, 66 kDa for BSA. Other band(s): None.

References

- Siviski ME et al. CTHRC1 Expression Results in Secretion-Mediated, SOX9-Dependent Suppression of Adipogenesis: Implications for the Regulatory Role of Newly Identified CTHRC1+/PDGFR-Alpha+ Stromal Cells of Adipose. *Int J Mol Sci.* (2025)

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