

Product Specification Sheet

Bovine Serum Albumin Antibodies

– Cat. # ALBB12-A	Goat Anti-Bovine Serum Albumin (BSA) protein IgG, aff pure	SIZE: 1 mg
– Cat. # ALBB12-S	Goat Anti-Bovine Serum Albumin (BSA) protein antiserum	SIZE: 100ul

Albumin is the protein of the highest concentration in serum or plasma. Albumin transports many small molecules in the blood (for example, bilirubin, calcium, progesterone, and drugs). It is also of prime importance in maintaining the osmotic pressure of the blood. Albumin is synthesized by the liver. Albumin performs many functions including maintaining the "osmotic pressure" that causes fluid to remain within the blood stream instead of leaking out into the tissues. Liver disease, kidney disease, and malnutrition are the major causes of low albumin. A diseased liver produces insufficient albumin. Diseased kidneys sometimes lose large amounts of albumin into the urine faster than the liver can produce it (this is termed nephrotic syndrome). Plasma albumin concentration is an important indicator of nutritional status, and low concentrations pre-surgery increase the risk of post-operative wound dehiscence, seroma formation and infection. Albumin levels are also dependant on the state of hydration of the body. A person that is dehydrated will have an artificially low albumin level. This returns to normal when the dehydration is corrected. Albumin fluctuates so widely because it is very sensitive to changes in hydration of the body.

Source of Antigen and Antibodies

Antigen	Purified Bovine serum albumin (BSA) antigen grade
Ab Host/type	Goat, polyclonal antiserum unpurified (cat #ALBB12-S) and aff pure IgG purified over antigen column (#ALBB12-A) supplied in PBS, pH 7.4, 0.1% BSA
2-ab	Anti-Goat IgG-HRP cat # 30220 (AP, biotin, FITC conjugates also available)
Non immune IgG -ve control	Non-immune Goat IgG to be used as -ve control for ELISA or Western (cat # 20011-5)

Cat# ALBB12-A, unlabeled

Purified anti-Bovine albumin IgG is supplied in PBS, pH 7.4 in either **lyophilized** (1 mg) or **liquid** form (1 mg/ ml). Reconstitute powder in PBS in 1 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1000-1:10,000 for ELISA or Western.

Form & Storage of Antibodies/Peptide Control

Antiserum (unpurified)

- 100ul
- solution
- lyophilized powder

Supplied in Buffer: 0.05% azide

Reconstitute powder in 100ul water

Storage

Short-term: unopened, undiluted liquid vials at -20oC and powder at 4oC or -20oC..

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder

Recommended Usage

Western Blotting

1:500-1000 dilution using Chemiluminescence technique).

ELISA (0.1-1 ug/ml; using 50-100 ng of control peptide/well).

Histochemistry & Immunofluorescence: **not tested.** We recommend the use of 1:50 to 1:500 using formalin-fixed paraffin embedded tissues or 4% paraformaldehyde fixed frozen sections.

Specificity & Cross-reactivity

Anti-Bovine albumin cross reactivity was tested in ELISA with the following animal Albumins: Rat (24%) and hamster (17%). Monkey, guinea pig, rabbit, chicken, sheep, pig showed less than 1% reactivity. Other species not tested. Antibodies to human, rat, and other species albumin and ELISA kits also from ADI.

*This product is for In vitro research use only.

Related material available from ADI

Catalog#	Prod Description
ALB11-A	Anti-Mouse albumin IgG aff pure
ALB11-BTN	Anti-Mouse albumin IgG-FITC Conjugate
ALB11-FITC	Anti-Mouse albumin IgG-FITC Conjugate
ALB12-N-1	Purified Mouse serum albumin protein (>96% pure)
ALBC15-N-1	Chicken Serum Albumin protein purified
ALBC15-S	Anti-Chicken Serum Albumin protein antiserum
ALBH13-A	Anti-Human albumin IgG aff pure
ALBH13-FITC	Anti-Human albumin IgG-FITC Conjugate
ALBH16-R-10	Anti-Human albumin IgG aff pure
ALBR12-A	Anti-rat albumin IgG aff pure
ALBR12-BTN	Anti-rat albumin IgG, biotinylated
ALBR12-N-1	Purified rat albumin protein (>98% pure)
ALBH25-N-1	Human serum albumin (HSA), purified (>98%)
ALBB14-A	Anti-Bovine Serum Albumin (BSA) protein IgG
ALBB14-BTN	Anti-Bovine Serum Albumin (BSA) protein IgG-Biotinylated
ALBB14-FITC	Anti-Bovine Serum Albumin (BSA) protein IgG-FITC Conjugate

1190 Human Serum Albumin ELISA Kit, 96 tests,
1200 Human Albumin ELISA Kit, 96 tests, Quantitative

ALBB12-A-goat anti bovine albumin

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