ALPHA DIAGNOSTIC INTERNATIONAL

Product Specification Sheet

Sheep Serum Albumin Antibodies

Cat. # ALBSH20-S	**Rabbit** Anti-Sheep serum albumin antiserum	**SIZE**: 100 ul
Cat. # ALBSH20-C	Purified Sheep serum albumin protein control for Western	**SIZE**: 100 ul

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, antigen grade, Sheep serum albumin (ALBSH20-N-10)
Ab Host/type	Rabbit, polyclonal antiserum, unpurified (**cat #ALBSH20-S**)
2-ab	Goat Anti-rabbit IgG-HRP cat # 20320 (AP, biotin, FITC conjugates also available)
Non immune IgG -ve control	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as –ve control

Sheep ALBSH20-C protein for Western blot +ve control (**Cat # ALBSH20-C**) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of **ALBSH20-C** for good visibility with antibody Cat # **ALBSH20-**S. Store at –20oC in suitable size aliquots. SDS may crystallize in cold conditions. It should redissolve by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the **ALBSH20-C** solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. This preparation is intended for qualitative purpose and not to serve as standard of known concentration. Do not freeze, thaw, or hear repeatedly.

Form & Storage

Antiserum

100 ul/vial
solution lyophilized powder
supplied in PBS, pH 7.4, 0.05% sodium azide
Reconstitute powder in PBS in 100 ul.

Storage

Short-term: unopened, undiluted vials for less than a week at 4oC.

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 1:1000-1:10,000 using Chemiluminescence technique).

ELISA (1:2000-1:20,000) using 50-100 ng of control protein/well).

Histochemistry & Immunofluorescence:. 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-sheep albumin antisera reacts with sheep albumin and no reactivity with other serum proteins. Species crossreactivity is not tested. Purified sheep albumin protein or the control #ALBSH20-C is available for control studies.

*This product is for In vitro research use only.

Related material available from ADI

Anti-human, Human, rat albumin antibodies and conjugates

Human, rat, human Albumin, IgG, IgM, IgE, and other serum protein ELISA kits

Recycle your blot in Just 5-10 min. (use the same strip for various antibodies)

ALBSH20-S-C 110802A

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