

Product Specification Sheet

Chicken Serum Albumin Antibodies

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| <input type="checkbox"/> Cat. # ALBC15-S | Rabbit Anti-Chicken serum albumin antiserum | SIZE: 100 ul |
| <input type="checkbox"/> Cat. # ALBC15-A | Rabbit Anti-Chicken serum albumin IgG, aff pure | SIZE: 100 ul |
| <input type="checkbox"/> Cat. # ALBC15-C | Purified Chicken serum albumin protein control for Western | SIZE: 100 ul |

Serum albumin is synthesized in the liver as prealbumin (propeptide 615 aa, mature protein 597 aa). It is secreted into the serum. It is the major serum protein and constitutes ~50% of the total serum proteins. It binds copper, nickel, calcium (weakly, at 2-3 sites), and protoporphyrin, long-chain fatty acids, prostaglandins, steroid hormones (weak bonds with these hormones promote their transfer across the membranes), thyroxine, and triiodothyronine. Serum albumin should not be confused with ovalbumin that is found in chicken eggs (mol wt ~45 kda).

Source of Antigen and Antibodies

Antigen	Purified Chicken serum albumin
Ab Host/type	Rabbit, polyclonal antiserum unpurified (cat #ALBC15-S) and aff pure IgG purified over antigen column (#ALBC15-A) supplied in PBS, pH 7.4, 0.1% BSA
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

Chicken ALBC15-C protein for Western blot +ve control (**Cat # ALBC15-C**) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of **ALBC15-C** for good visibility with antibody Cat # **ALBC15-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 **ALBC15-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 heat repeatedly

Form & Storage of Antibodies/Peptide Control

Antiserum (unpurified)

- 100ul solution lyophilized powder
 Supplied in Buffer: 0.05% azide
Reconstitute powder in 100 ul PBS

Aff pure IgG

- 100ul solution lyophilized powder
 PBS, pH 7.4, 0.1% BSA
Reconstitute powder in 100 ul 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-Chicken albumin reacts with albumin with no reactivity with other serum proteins. Antibody reactivity with other species not tested. Purified chicken serum protein (**#ALBC15-C**) can be used as positive control. Chicken serum albumin is different from chicken egg ovalbumin (~45 Kda). Anti-serum albumin does not react with ovalbumin.

*This product is for In vitro research use only.

Related material available from ADI

Anti-mouse, rat, human albumin antibodies and conjugates and ELISA Kits

Mouse, Rat, Human, IgG, IgM, IgE, and other serum protein ELISA kits

Chicken ovalbumin protein ELISA kits, Mouse Anti-ovalbumin IgG, IgM ELIA kits

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

ALBC15-S-C 130423A

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