

Purification Antibody

Summary:

Quantity size: 1mg/10mg **Purification method:** Protein A or Protein G

Concentration: 10mg/mL buffer=0.01M PBS (pH7.2-7.4) with 0.03% Proclin300.

Immunogen: BSA Purity: >90%

Western blotting: 1:200-20000 **ELISA:** 1:10000-100000

ELISA coating: 10-20ug/mL

Immunochromatographic control-line: 2mg/mL

Antibody conjugation: 500ug-20mg/mL

Gold conjugation: Borate buffer (PH=9.0)

HRP conjugation: 0.01mol/L CB (PH=9.0)

Fluorescein conjugation: 0.5mol/L CB (PH=9.5)

Biotin conjugation: 0.1mol/L NaHCO₃

Storage: Shipped at 4°C, Store at -20°C at least one year (Avoid repeated freeze/thaw cycles).

Background:

Bovine Serum Albumin. Albumin is one of the most extensively utilized proteins in the medical industry. Its availability, inherent stability, and ligand binding ability make albumin an essential component in the production of many therapeutic drugs, vaccines and diagnostic tests. Albumin is a soluble, monomeric protein which comprises about one half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Mutations in this gene on chromosome 4 result in various anomalous proteins. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. The human albumin gene is 16,961 nucleotides long from the putative 'cap' site to the first poly(A) addition site. It is split into 15 exons which are symmetrically placed within the 3 domains that are

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thought to have arisen by triplication of a single primordial domain. Albumin is synthesized in the liver as prealbumin which has an N terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.

Related products:

AC63318 Rabbit IgG

AC63205 Goat anti-Rabbit IgG (Purification Antibody)

AC63282 Goat anti-Rabbit IgG-FITC

AC63255 Rabbit Anti-pig IgG-HRP

AC10041 HRP-conjugated Antibody Dilution Buffer

Related Articles:

[1] Wang S, Zhang Y, Liu Y, Zheng R, Wu Z, Fan Y, Li M, Li M, Li T, Li Y, Jiang Z, Wang C, Liu Y. Inhibition of CSRP2 Promotes Leukemia Cell Proliferation and Correlates with Relapse in Adults with Acute Myeloid Leukemia. *Onco Targets Ther.* 2020 Dec 7;13:12549-12560.(IF 3.337)

Important Note:

Potency is subject to the product label. Optimal working dilutions must be determined by the end user.

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

