

## BSA

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**Description:** Contains 583 amino acid residues derived from the prototypical bovine serum albumin sequence. Suitable for use as a biochemical, excipient (an inert substance used as a diluent or vehicle for a protein), in culture media and chromatographic applications.

Catalog #: PRPS-429

**Synonyms:** Serum albumin, ALB, BSA.

For research use only.

**Source:** Bovine Serum.

**Physical Appearance:** Lyophilized freeze dry yellowish powder.

**Purity:** Greater than 97.0%.

**Stability:**

Lyophilized BSA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BSA should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized BSA in sterile 18M-cm H<sub>2</sub>O for 20 minutes at room temperature and at a concentration no greater than 200mg/ml.

**Introduction:**

Albumin is synthesized in the liver as preproalbumin 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. 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.

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