

## BSA, Biotin conjugated

**Cat. Number:** bsb-0292P

**Quantity size:** 1ml

**Concentration:** 1mg/ml.

Buffer = 0.01M TBS(pH7.4) with 0.03% Proclin300 and 50% Glycerol.

**Background:** Fraction V 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 thought to have arisen by triplication of a single primordial domain. 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.

**Specificity:**

- BSA, Biotin conjugated
- Fraction V bovine serum albumin
- mol wt: 66kDa

**Application:**

- Not yet tested in other applications.
- Optimal working dilutions must be determined by the end user.

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

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