

Product datasheet for **AM03213PU-N**

ALB Mouse Monoclonal Antibody [Clone ID: 5F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5F9
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA: 1/120,000. Western Blot: 1/2,000-1/10,000. Immunohistochemistry: 1/1,000-1/5,000. Immunoprecipiation: 1/100.
Reactivity:	Bovine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Produced after repeated immunizations of balb/c mice with bovine serum albumin.
Specificity:	This antibody reacts with Bovine Serum Albumin. It recognizes a 66 kDa band corresponding to Bovine Serum Albumin monomer. No cross reactivity is detected against other serum proteins by immunoblot. No reactivity is detected by ELISA against Human Serum Albumin or Ovalbumin.
Formulation:	0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 State: Aff - Purified State: Liquid (sterile filtered) purified IgG fraction Stabilizer: None Preservative: 0.01% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Database Link: [Entrez Gene 280717 Bovine P02769](#)

Background: 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. 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. Bovine Serum Albumin antibody detects BSA. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca^{2+} , Na^+ , K^+ , fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. ALB is the major zinc transporter in plasma; it typically binds about 80% of all plasma zinc. BSA antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.

Synonyms: ALB, BSA, HSA, Serum Albumin

Note: **Hybridoma:** Produced by the fusion between mouse splenocytes and mouse myeloma SP2/0 cells using conventional hybridoma technology.

Product images:



Figure 1. Anti-Bovine Serum Albumin is shown to detect BSA in bovine serum diluted 1:100 (lane 1) and in purified BSA preparations at 0.5 mg/ml (lane 2). In both lanes 20 μl of sample was applied. Primary antibody is diluted 1:5000 in PBS and is reacted for 1.5 h at room temperature. Detection occurs using a 1:5000 dilution of IRDye800TM Conjugated Goat-a-Mouse IgG reacted for 1 h at room temperature. Visualization is by near-infrared (IR) western blotting analysis using the Odyssey Infrared Imaging System developed by LI-COR. Other detection systems will yield similar results. IRDye is a trademark of LI-COR Biosciences, Lincoln, NE.