Bovine Serum Albumin, BSA (Protease Free, Low IgG)

Cat #: A-CSH005

Size: 5g, 50g, 100g, 1000g

Storage: 2-8 °C (24 months)

Product Description

Product Name	Bovine Serum Albumin, BSA (Protease Free, Low IgG)
Grade	Intermediate Diagnostic Grade
Cat #	A-CSH005
CAS Number	9048-46-8
Product Source	Derived from bovine serum using modern biochemical techniques for extraction and purification.
Appearance	Off-white lyophilized powder
Total Protein Content	≥ 96%
Albumin Purity	≥ 98%
A_{403} Value of 1% Aqueous Solution	≤ 0.1
Moisture Content	≤ 3%
Heavy Metals	≤ 10 ppm (Calculated in Pb)
pH Value	6.5-7.5 (1% aqueous solution, 25°C)
Solubility Test	Dissolution time ≤ 10 min (10% aqueous solution, 25°C)
Storage and Shelf Life	Store at room temperature, protected from light and in a dry environment. Shelf life is 2 years.
Features	Ammonium sulfate is not used during production. The product exhibits high purity, good stability, and low batch-to-batch variation.

Bovine Serum Albumin (BSA), also known as Bovine albumin or Cohn Fraction V, is a widely used protein in laboratory experiments. BSA has extensive applications, particularly as a blocking agent in immunological assays such as ELISA and Western Blot (WB). As a carrier protein, cross-linking BSA to haptens and weak antigens enhances their immunogenicity in antibody production. BSA is commonly employed as a stabilizer in restriction enzyme digestion reactions, preventing enzyme adherence to tubes and tips. It is also utilized in biopharmaceutical manufacturing processes and serves as a nutrient in cell and microbial cultures. Additionally, BSA is used as a standard for protein quantification assays. Our BSA products are prepared using high-quality bovine serum through the heat shock method.

Intermediate Diagnostic Grade: Protease-free with relatively low IgG levels. Suitable for use in diagnostic reagents with higher requirements.

Notes

1. For cell experiments, after dissolution, it is necessary to filter the solution through a sterile disposable syringe filter to remove bacteria.
2. For your safety and health, please wear laboratory attire and disposable gloves when handling.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.