

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

Cat #: A-CSH006

Size: 5 g, 100 g, 500 g, 1 kg

Storage: 2~8°C (24 months)

Product Description

Product Name	Bovine Serum Albumin, BSA (Protease Free, IgG Free)
Grade	Advanced diagnostic grade
Cat #	A-CSH006
CAS Number	9048-46-8
Product source	It is made from bovine serum, extracted and purified by modern biochemical technology.
Appearance	Whiter and brighter
Total protein content	≥ 97%
Albumin purity	≥ 99%
A403 value of 1% aqueous solution	≤ 0.06
Water content	≤ 3%
Heavy metal	≤ 10 ppm (Calculated in Pb)
pH	6.5~7.5 (1% aqueous solution, 25°C)
Solubility test	Dissolve time ≤ 10min (10% aqueous solution, 25°C)
Storage and shelf life	Store in dark and dry conditions at room temperature, shelf life of 2 years.
Characteristic	Ammonium sulfate is not used in the production, and the product has high purity, good stability and small difference between batches.

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 carrier proteins, cross-linking them to haptens and other weak antigens can make them more immunogenic in antibody production. In restriction enzyme digestion reactions, BSA is often used as a stabilizer to prevent enzyme adhesion to tube walls and pipette tips. BSA is also commonly employed in biopharmaceutical production processes and as a nutrient in cell and microbial cultures. Additionally, it serves as a standard for protein quantification assays. Our BSA products are prepared using high-quality bovine serum through the Heat Shock method. Advanced Diagnostic Grade: BSA with no protease and extremely low IgG content (0.005%, with no residual activity even in trace amounts). It is suitable for use in highly demanding diagnostic reagents, including monoclonal antibodies, antigen-antibody detection, radioimmunoassays, and enzyme-linked immunosorbent assays (ELISA). It is ideal for experiments requiring minimal levels of IgG and for experiments sensitive to protease activity.

Notes

1. For cell experiments, after dissolution, the solution must be filtered using a sterile disposable needle filter to remove bacteria.
2. For your safety and health, please wear laboratory attire and disposable gloves while performing the procedure.

Disclaimer

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