

# Cationized-BSA

**CATALOG NO:** P1651-5 5 mg  
P1651-10 10 mg

**ALTERNATE NAMES:** cBSA, Cationized-Bovine Serum Albumin

**FORM:** Lyophilized powder without any additives

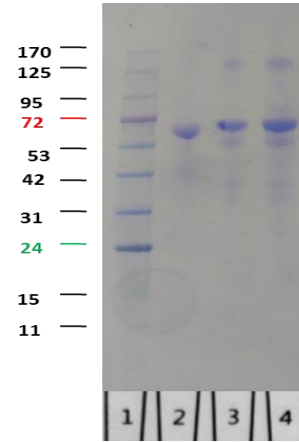
**STORAGE:** -20°C

**RECONSTITUTION:** Reconstitute in distilled water or any desired buffer at concentrations up to 10 mg/ml with gentle mixing.

**PURITY:** >95% by SDS-PAGE

**DESCRIPTION:** The Cationized-BSA (cBSA) carrier protein is prepared by modifying native BSA with excess ethylenediamine, which caps all the negatively charged carboxyl groups of BSA and introduces extra positively charged primary amines. cBSA is a highly positively charged protein and has high pI (>11). cBSA conjugated antigens have significantly increased immunogenicity as compared to the native or unmodified BSA. The introduction of extra primary amines provides more active sites for the conjugation of haptens/antigens such as small molecules and small peptides, using EDC/NHS based crosslink protocols etc. Additionally, the hapten-cBSA conjugates are more soluble.

**APPLICATION:** For preparing hapten-cBSA conjugates with high immunogenicity and increased solubility by using various crosslinking agents and conjugation methods. Hapten-cBSA conjugates are used to generate antibodies.



**SDS-PAGE of BSA and cBSA:** 4-20% SDS-PAGE was ran under reducing conditions and stained with Coomassie Blue.  
**1:** Protein Marker  
**2:** 2 µg BSA  
**3:** 2 µg cBSA  
**4:** 5 µg cBSA

**RELATED PRODUCTS:**

- Glucose AGE-BSA (2223-10)
- BSA (10% in H<sub>2</sub>O) (2119-10)
- BSA Antibody (5998-100)
- BSA – Cohn Fraction V, pH – 5.2 (7904-5, 25, 100)
- BSA – Cohn Fraction V, pH – 7.0 (7905-5, 25, 100)
- BSA – Cohn Fraction V, Immunoassay Grade, Protease Free, pH – 7.0 (7906-5, 25, 100)
- BSA – Cohn Fraction V, Fatty Acid Free, pH – 7.0 (7907-5, 25, 100)
- BSA – Cohn Fraction V, Fatty Acid Free, pH – 5.2 (7908-5, 25, 100)
- BSA – Cohn Fraction V, Endotoxin Low, pH – 7.0 (7909-5, 25, 100)
- BSA – Cohn Fraction V, Endotoxin Low, pH – 5.2 (7910-5, 25, 100)
- BSA – Cohn Fraction V, Immunoassay Grade, Protease Free, pH – 5.2 (7911-5, 25, 100)
- BSA – Cohn Fraction V, Fatty Acid Low, pH – 7.0 (7912-5, 25, 100)
- Biotinylated BSA (Biotin-LC-BSA) (3 biotin/BSA) (7097-5, 25)
- Biotinylated BSA (Biotin-LC-BSA) (5 biotin/BSA) (7098-5, 25)
- Biotinylated BSA (Biotin-LC-BSA) (12 biotin/BSA) (7099-5, 25)
- Bovine Serum Albumin – Fraction V, 30% Solution (7914-100, 500)
- BSA – Heat Shock, pH – 7.0 (7915-5, 25, 100)
- BSA – Heat Shock, pH – 5.2 (7916-5, 25, 100)
- BSA – Heat Shock, Diagnostic Grade pH – 7.0 (7918-5, 25, 100)
- BSA – Heat Shock, Protease Free pH – 7.0 (7919-5, 25, 100)
- BSA – Heat Shock, Protease DNASE Free pH – 7.0 (7920-5, 25, 100)
- BSA – Heat Shock, Fatty Acid Free pH – 7.0 (7921-5, 25, 100)
- BSA – Heat Shock, Low Endotoxin pH – 7.0 (7922-5, 25, 100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**