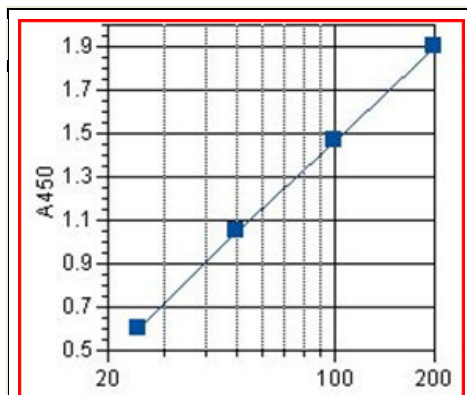


## Goat Anti-Bovine Serum Albumin (BSA) IgG ELISA Kit, Cat# 710-100-BSG



Anti-BSA IgG ELISA (typical curve for demonstration use only)

### Goat anti-BSA IgG ELISA Kit Features

- Highly purified BSA-antigen pre-coated, stabilized, ready-to-use 96-well strip plate; shelf life of 6-12 months.
- Convenient liquid Calibrators, containing Anti-BSA IgG: 0, 25, 50, 100, 200 U/ml and negative control.
- 1:200 or greater sample dilution; 100ul samples
- 135 minute, 3 incubation steps at room temp
- Contains all necessary reagents.

**This kit is for measuring IgG antibody specific for BSA in goat serum or other biological fluids. For in vitro research use only.**

**Assay Procedure:** Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipet **100 ul each of pre-diluted calibrators**, samples containing anti-BSA (diluted as required) and controls into wells. Mix gently and incubate at room temperature for **60 min**.
- Step 2.** **Aspirate and wash** the plate four times. **Add 100ul of Anti-IgG-HRP** Conjugate to all wells, mix gently and incubate at room temperature for **30 min**.
- Step 3.** **Aspirate and wash** the plate five times. Add **100 ul of TMB Substrate** solution to all wells, mix gently, and incubate at room temperature for **15 min**.
- Step 4.** Pipet **100 ul of Stop solution** into each well and mix gently (blue color turns yellow). **Measure OD at A450 nm**. Calculate level of anti-Mouse IgG in each sample using the Calibrators.

### General Information

Bovine serum albumin (also known as BSA or "Fraction V") is a serum albumin protein that has numerous biochemical applications including ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry. It is also used as a nutrient in cell and microbial culture. In restriction digests, BSA is used to stabilize some enzymes during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes and other vessels. This protein does not affect other enzymes that do not need it for stabilization. BSA is also commonly used to determine the quantity of other proteins, by comparing an unknown quantity of protein to known amounts of BSA. BSA is used because of its stability, its lack of effect in many biochemical reactions, and its low cost since large quantities of it can be readily purified from bovine blood, a byproduct of the cattle industry. BSA is also used as a carrier protein to prepare peptide, hapten-BSA conjugate for immunization or for use in ELISA etc. It is also found in bovine fetal calf serum or fetal calf serum. All culture media or other media containing serum or purified BSA may contain traces of BSA even after purification.

ADI has produced ELISA kits to measure antibodies to BSA in mouse, rat, rabbit, human and other species serum. This test may be useful to determine if antibodies are made to BSA-peptide/hapten conjugate or if proteins or vaccines that were exposed to either serum or purified protein made antibodies to it. Many animal and human vaccines are made in cell culture that used fetal calf or bovine serum or serum-free media that contains BSA or BSA. If the recombinant proteins or vaccines that contain traces of BSA-residue then it may trigger antibody response when injected into animals or humans. This kit measure anti-BSA IgG only and not IgM or other isotypes. Species crossreactivity is not established. ADI produces other kits to measure anti-BSA in rabbit, goat, chicken human and monkey samples.

### Related Items

710-100-BSG	Goat Anti-BSA IgG (total) ELISA Kit, 96 tests, Quantitative
710-110-BSR	Rabbit Anti-BSA IgG (total) ELISA Kit, 96 tests, Quantitative
710-120-BSC	Chicken Anti-BSA IgG (total) ELISA Kit, 96 tests, Quantitative
710-130-BSM	Mouse Anti-BSA IgG (total) ELISA Kit, 96 tests, Quantitative
710-140-BSM	Human Anti-BSA IgG (total) ELISA Kit, 96 tests, Quantitative
8000	Bovine Albumin (BSA) ELISA Kit, 96 tests, Quantitative
800-200-BSA	Albumin (Human, Mouse, rat, bovine and others) removal kit (synthetic dye based matrix; sufficient to remove 20-40 mg BSA from Bioprocessed material), 2 ml aff column
800-302-BSA	Bovine serum albumin (BSA) removal kit (Antibody based aff matrix; sufficient to remove 1-2 mg BSA from Bioprocessed material), 2 ml aff column

Rev. 710-100-BSG-flr

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