

Product Specification Sheet

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**Anti-BSA IgG-Agarose**

**Cat.** BSA11-AS      Rabbit anti-Bovine Serum Albumin (BSA) IgG-Agarose (Aff matrix)      **SIZE:** 0.5 ml

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BSA (bovine serum albumin) is often used as a carrier protein to couple haptens (peptides, drug, steroid etc) for the purpose of making antibodies. Antibodies are produced to both BSA and the coupled haptens. Antibodies to BSA can be removed to improve the functioning of the antibodies in a given immunoassay. Antibodies to purified BSA were produced in rabbits, IgG purified, and coupled to CNBR-activated agarose. The affinity matrix contains ~1-2 mg anti-BSA IgG/ml suspension of agarose.

**Source of Antigen and Antibodies**

Purified Anti-rabbit BSA IgG was coupled to agarose at ~1-2 mg/ml of beads (**Cat # BSA11-AS**) using CNBR-activated agarose beads. The affinity matrix is supplied in PBS pH 7.4 containing 0.05% azide. The column has a binding capacity of approx. 1-3 mg BSA per ml of beads. The binding capacity of the anti-BSA-agarose must be evaluated for a given samples.

Store at 4oC. DO NOT FREEZE.

**Suggested uses**

This product can be used to recover BSA from from various samples or to remove BSA from it. The affinity column may also be used to purified BSA-containing hapten conjugates etc.

We recommend processing approx. 1-2 ml BSA-containing samples (BSA conc ~1 mg/ml) per 1 ml of the beads or it can be scaled up accordingly. Load samples diluted 1:5 in PBS to adsorb BSA at room temp. Collect unbound fraction containing BSA-depleted samples. It may be necessary to repeat this adsorption if the sample contain high concentrations of ant-BSA.

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The column can be regenerated by passing 3 mls of 0.1M Glycine buffer, pH 2.5, and then immediately washing with PBS pH 7.4 with 10-20 volumes. Store column in PBS containing 0.05% azide at 4oC. DO NOT FREEZE the beads at any stage.

Immobilized anti-BSA can also be used to remove from plasma or samples a variety of substances (bilirubin, thyroxine, digitoxin etc) which binds to albumin. Elution of the bound substances can be achieved with 10-40 mg/ml of BSA or 50% ethanol or low (2.5) or high pH (11).

This product is for in vitro research use only.

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**Related material available from ADI**

BSA-Agarose and antibodies to BSA

BSA ELISA kit

Purified GST, Monoclonal anti-GST, GST Coated ELISA plates; Anti-Goat HRP conjugates'

**Western blot Recycling Kit;** Strips antibodies in 5-10 min at room temp.

BSA11-AS      70305A

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