

Product Data Sheet

**Bovine Serum Albumin (BSA) (Protease-Free) for ELISA and Western**

<b>Cat. #</b> 80400-100	<b>Size:</b> 100 g	<b>Storage:</b> Store powder at 4 <sup>0</sup> C
<b>Cat. #</b> 80400-500	<b>Size:</b> 500 g	<b>Storage:</b> Store powder at 4 <sup>0</sup> C

**Introduction**

Antigen or antibody coating on ELISA plates is commonly used as the first step in ELISA. This is followed by the blocking of the excess protein binding sites in the microwell not occupied by the coated antigen/ antibody. Buffers containing 1-5% BSA or non-fat milk proteins, fish proteins, gelatins are typically used as a general purpose blocking agents. These blocking agents are also used for Western blot membrane blocking of non-specific sites and also as general purpose antibody or conjugate diluents. BSA-Based blocking buffers are generally recommended for blocking ELISA or western membrane when studying phosphoproteins.

ADI's BSA has been treated and purified to remove any proteases that may cleave some protease sensitive proteins during ELISA or Western,

**Form**

**BSA (protease-free Biochemical analyses)**

Protein	100%
Moisture	0.60%
Ash	0.90%
pH	6.80
<b>Protease</b>	<b>not detected</b>
heavy metals	<0.025 ppm

Purified protein is supplied as lyophilized powder. It can be dissolved on appropriate buffers (PBS, TBS, at 1-10% w/v). Sodium azide or merthiolate can be added if desired to prevent bacterial growth in BSA-Stock solutions. Store solutions at 4oC for short term and -20oC in suitable size aliquots.

**MSDS:** A Material Safety Data Sheet is not required for this product. No preservatives added or hazardous chemicals.

**Product origin:** USA

BSA was prepared from serum obtained from USDA registered animal facilities. The animals received ante and post-mortem inspections under a veterinarian's supervision and were apparently free from infectious diseases. At no time during collection or processing was the material commingled with any other material of animal origin. During processing, this material was subjected to a pH <5.0 and/o 65oC for at least 3 hours. This product is sold for IVD, research or technical purposes only, and is not intended for therapeutic applications.

*This product is for in vitro research use only.*

**Related items available from ADI**

Catalog#	ProdDescription
80012	High binding ELISA Strips plates (8 wellsx12 strips)
80050	ELISA Plate Coating buffer concentrate (10X)
80060	ELISA Plate Blocking Buffer concentrate (10X) BSA-based
80062	ELISA Plate Blocking Buffer concentrate (10X) milk-based
80070	Antibody and Conjugate Diluent for ELISA concentrate (10X)
80080	Wash buffer concentrate (20X) for ELISA
80081	Phosphate Buffered Saline (PBS, pH 7.4) concentrate (20X)
80091	TMB substrate (1-component) for ELISA
80100	Stop solution for TMB substrate (ELISA) concentrate (10X)
80110	Single solution TMB substrate (membrane) solution for western blot
80160	Rabbit Serum Antibody detection ELISA kit, Qualitative (mouse, goat, sheep, monkey, human, chicken kits are also available)

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