

Product Data Sheet

Blotto 2 buffer (1% milk, 1% BSA, 0.05% tween in TBS buffer for phosphoproteins) for Western

Cat. # 80403-500

Size: 500 ml

Storage: Store powder at 4⁰C

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

Blotto 2 buffer contains specially formulated protease-free BSA and non-fat milk proteins suitable for antibody and conjugate diluent. It is supplied as powder without any preservatives. Dissolve the contents of the bottles in 500 ml of the desired buffer (PBS or Tris) and add the supplied Tween-20 solution to the buffer. Final concentration of non-fat milk and BSA will be 1% and Tween-20 (0.05%). It can be diluted further if necessary with PBS. Sodium merthiolate (0.02%) can be added if desired to prevent bacterial growth in Stock solutions. Store solutions at 4^oC for short term and -20^oC in suitable size aliquots.

Recommended usage

Milk-based blocking buffers are generally used at 1-5% in PBS or other buffers. Do not store diluted working solutions for 1-2 days. It can be used for ELISA, Western as general purpose blocking agent.

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 65^oC 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 kits are also available)
TW-100100	Tween-20 (100%, undiluted) for ELISA, Western, IP etc
TW-100110	Tween-20 (50%, convenient to dispense) for ELISA, Western, IP etc
80400-100	Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA)
80400-500	Bovine Serum Albumin (BSA, protease-free) for western (makes ~10-L buffer @5% BSA)
80401-250	Blotto for Western/ELISA (non-fat milk, makes ~25-L buffer @5%)
80401-500	Blotto for Western/ELISA (non-fat milk, makes ~50-L buffer @5%)
80402-500	Blotto 1 buffer (5% milk, 0.05% tween in TBS buffer) for Western (ready-to-use)
80403-500	Blotto 2 buffer (1% milk, 1% BSA, 0.05% tween in TBS buffer for phosphoproteins) for Western (ready-to-use)
80403-500	80616A

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