

Datasheet for B553-0500**Blotto B Pre-Mixed****Overview**

Description:	Blotto B Pre-Mixed - for a 1X Solution of Immunoanalytical Grade 1% Non-Fat Dry Milk, 1% BSA in TBS with Tween-20 - B553-0500
Item No.:	B553-0500
Size:	500 mL
Applications:	WB, ELISA

Product Details

Background:	Rockland Immunochemicals produces the following blocking buffer reagents: BSA, BLOTTO, BLOTTO A, BLOTTO B and Blocking Buffer for Fluorescent Western Blotting (see related products below). These products are intended to block non-specific binding of proteins in various immunological assays. Typically, western blotting and ELISA methods call for the addition of a blocking agent prior to and during incubation with primary antibody.
Synonyms:	Blotto B Pre-Mixed, TBS, 1% non-fat dry milk, 1% BSA, 0.05% TWEEN-20, blocking reagents for western or ELISA

Target Details

Purity/Specificity:	This product contains highly purified immunoanalytical grade non-fat dry milk and bovine serum albumin (protease and immunoglobulin-free BSA) dissolved in a solution of Tris buffered saline.
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Application Details

Tested Applications:	WB
Suggested Applications:	ELISA (Based on references)

Application Note: Use Rockland's BLOTTO whenever procedures call for immunoanalytical grade non-fat dry milk. Alternative blocking agents such as BLOTTO A (solution of TBS, 5% non-fat dry milk and 0.05% Tween-20) and BLOTTO B (solution of TBS, 1% non-fat dry milk, 1% BSA and 0.05% Tween-20) are also available. BLOTTO A is a convenient general purpose blocking agent. BLOTTO B is recommended for blocking when phospho specific antibodies are used. BLOTTO A and BLOTTO B provide Tween-20 in a separate vial in liquid form (p/n TW0025). Users should consider the addition of Tween-20, protease inhibitors and phosphatase inhibitors when required. Typically 50 mM NaF can be added to BLOTTO solutions to inhibit phosphatase activity. We recommend using 1X working solutions of BLOTTO A or BLOTTO B directly for blocking purposes and primary antibody dilution and incubation.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Lyophilized
Concentration:	1X
Preservative:	None
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

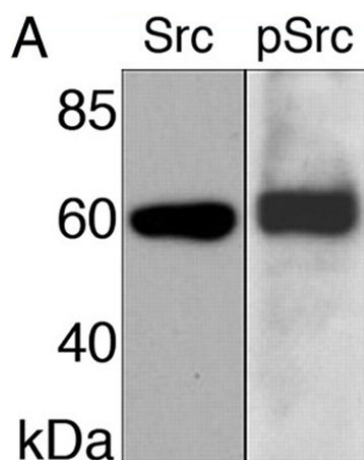
Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature prior to opening. After reconstitution, use blocking buffers immediately. Working solutions may be stored at 4° C for up to four (4) days. Solutions containing BLOTTO may be frozen. Contains TBS, 1% non-fat dry milk and 1% BSA. Adding the entire contents of the attached vial containing 25% TWEEN-20 (using a transfer pipette) to 500 ml of BLOTTO B results in a final concentration of 0.05% TWEEN-20. Mix well prior to use. The resulting buffer is a 1X working solution.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Bottle

Blotto B Pre-Mixed - for a 1X Solution of Immunoanalytical Grade 1% Non-Fat Dry Milk, 1% BSA in TBS with Tween-20



Western Blot

Detection of Src-related proteins in the developing ENS. A, Western blot of Manduca embryonic gut tissue using antibodies against inactive (pan) Src and phosphorylated Src (pSrc; anti-pY416). Both antibodies detect an ~60 kDa band (the predicted size of both MsSrc isoforms). Immunoblots were preblocked for 1 h using Blotto B solution (p/n B553-0500), incubated with anti-Src (1:2000) or anti-pSrc (1:1000) antibodies overnight at 4°C, rinsed, and incubated with secondary antibodies conjugated to horseradish peroxidase. Figure 3. PMID: 19295147.

References

- Chaudhuri R et al. Sputum matrix metalloproteinase-12 in patients with chronic obstructive pulmonary disease and asthma: relationship to disease severity. *J Allergy Clin Immunol.* (2012)
- LaPan P et al. Optimization of total protein and activity assays for the detection of MMP-12 in induced human sputum. *BMC Pulm Med.* (2010)
- Coate TM et al. Reverse signaling by glycosylphosphatidylinositol-linked Manduca ephrin requires a SRC family kinase to restrict neuronal migration in vivo. *The Journal of Neuroscience : the Official Journal of the Society for Neuroscience* (2009)

Disclaimer

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