EZBlock™ (PBS) Blocking Buffer

rev. 06/13

(Store at 4°C)

Cat. No.
2128-200 EZBlock™ (PBS) Blocking Buffer, 200 ml, PBS (pH 7.4) containing proprietary protein and Kathon (Anti-microbial Agent)
2128-1000 EZBlock™ (PBS) Blocking Buffer, 1000 ml, PBS (pH 7.4) containing proprietary protein and Kathon (Anti-microbial Agent)

I. Introduction:

BioVision's EZBlock™ (PBS) Blocking Buffer is based on a proprietary protein, which efficiently blocks residual binding sites in ELISA, immunohistochemistry and Western blotting applications. This blocking buffer is albumin or endogenous biotin free, which makes it compatible with avidin/streptavidin systems and delivers high signal-to-noise ratio in most systems.

Notes:

a. In certain applications, optimized buffer concentration may be beneficial. For example, if the blocking buffer is used as a diluent for antibodies to improve signal-to-noise ratios, the buffers may be used as supplied or diluted up to 10-fold.

b. EZBlock™ (PBS) Blocking Buffer may be used as a protein stabilizer for drying antigen or antibody coated microplates.

c. Selecting the proper blocking buffer can increase sensitivity and prevent nonspecific signal caused by cross-reactivity between the antibody and the blocking reagent. Testing is essential to determine the appropriate blocking buffer for each Western blot system because no blocking reagent is optimal for all systems.

II. Applications:

- ELISA
- Immunohistochemistry
- Western blot etc.

III. Content:

EZBlock™ PBS (Phosphate Buffered Saline) Blocking Buffer

IV. Storage & Handling:

Store Buffer at 4°C. EZBlock™ (PBS) Blocking Buffer is stable for 1 year.

V. Procedure using EZBlock™ (PBS) Blocking Buffer:

A. Procedure for blocking ELISA plates

1. Coat the ELISA plate with antigen or antibody.
2. Add 300 µl of EZBlock™ (PBS) Blocking Buffer to wells and immediately empty the plate. Repeat this step two additional times.
3. Proceed with assay or invert plate and allow it to completely dry for ~2 hrs. Keep plate in a plastic bag or other container with desiccant and store at 4°C.

B. Procedure for blocking membranes

1. Add sufficient volume of EZBlock™ (PBS) Blocking Buffer to cover the membrane and incubate for 10-120 min. with agitation.
2. Continue with Western blot detection procedure. Use EZBlock™ (PBS) Blocking Buffer to dilute primary and secondary antibodies.

C. Procedure for blocking tissue for immunohistochemistry

1. Block nonspecific sites in the tissue with EZBlock™ (PBS) Blocking Buffer for 30 min. at room temperature.
2. Pour off the Blocking Buffer (do not rinse the tissue).
3. Proceed with immunohistochemical detection procedure.

VI. RELATED PRODUCTS

EZBlock™ (TBS) Blocking Buffer (2117)
EZBlock™ T20 (TBS) Blocking Buffer (2140)
EZLys™ Bacterial Protein Extraction Reagent (8001)
EZLys™ Tissue Protein Extraction Reagent (8002)
Protein Quantitation kit (K810)
Protein Carbonyl Content Assay Kit (K830)
EZBlock™ T20 (PBS) Blocking Buffer (2143)
Western Blot Substrate Kit (K820)
EZLys™ Yeast Protein Extraction Reagent (8003)
EZLys™ lysozyme, human (8005)
BCA Protein Quantitation Kit (K812, K813, K814)
Protease & Phosphatase inhibitor cocktails (K283, K284)
Protease inhibitor cocktails (K271, K272, K277, K278, K279)
Ready-to-use IHC/ICC kit (Biotin free), One-Step HRP Polymer anti-Mouse, Rat and Rabbit IgG (H+L) with DAB (K405)

FOR RESEARCH USE ONLY! Not to be used on humans