

Cat. # T7131A

For Research Use

TAKARA

**Western BLoT Blocking Buffer
(Fish Gelatin)**

Product Manual

v201902Da

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I. Description

The Western BLoT Blocking Buffer (Fish Gelatin) is a blocking buffer that contains gelatin extracted from fish in TBS-T buffer. Since the blocking buffer is of fish origin, it is less likely to crossreact with antibodies of mammalian origin than conventional blocking reagents of mammalian origin, such as dry milk and BSA. With the low background obtained with this product, it is possible to clearly detect specific antigens.*

This Blocking Buffer is ready-to-use without dilution for blocking Western blot membranes. The Buffer can also be used for dilution of primary antibodies and secondary antibodies labeled with AP or HRP.

- * There is no common blocking reagent for Western blotting that can be used for all experiments. Preliminary testing is necessary to determine the optimal blocking reagent. Depending on the specific antigen, blocking with gelatin may decrease detection sensitivity because the antigen may be masked by gelatin. In this case, a better result may be obtained with other blocking reagent, such as BSA or casein.

II. Components

Western BLoT Blocking Buffer (Fish Gelatin) 1 L

III. Materials Required but not Provided

All reagents and equipment to perform Western blot analysis.

IV. Storage 4°C

V. Precautions

The following are precautions for using this product. Read before use.

1. After using the Blocking Buffer, close the lid immediately to prevent contamination.
2. Bring the Blocking Buffer to room temperature before use.
3. The optimal blocking conditions depend on the experimental system. Determine the optimal blocking time at room temperature.

VI. Protocol

1. Perform SDS-PAGE.
2. Transfer proteins from an SDS-PAGE gel to Western blot membrane, using an appropriate protocol.
3. Add Western BLoT Blocking Buffer (Fish Gelatin) (use 0.2 ml/cm² membrane) to a tray of a suitable size, and immerse the protein-transferred membrane. Shake gently for 10 - 60 minutes at room temperature. The membrane can also be blocked overnight at 4°C.
4. After blocking, perform Western blotting detection with appropriate antibodies. This product can also be used for dilution of primary and secondary antibodies.

VII. Related Products

- < Western BLoT HRP Substrate Series >
 - Western BLoT Chemiluminescence HRP Substrate (Cat. #T7101A/B)
 - Western BLoT Quant HRP Substrate (Cat. #T7102A/B)
 - Western BLoT Hyper HRP Substrate (Cat. #T7103A/B)
 - Western BLoT Ultra Sensitive HRP Substrate (Cat. #T7104A/B)

- < Western Blot Chemiluminescence Enhancer >
 - Western BLoT Immuno Booster (Cat. #T7111A)
 - Western BLoT Immuno Booster PF (Cat. #T7115A)

- < In place of a labeled secondary antibody >
 - Western BLoT Rapid Detect v2.0 (Cat. #T7122A)

- < Blocking Buffer >
 - Western BLoT Blocking Buffer (Protein Free) (Cat. #T7132A)

- < Stripping Buffer >
 - Western BLoT Stripping Buffer (Cat. #T7135A)

- < Buffer Tablets and Powders >
 - Tris-Glycine-SDS Buffer (TG-SDS) Powder, pH 8.3 (Cat. #T9101)
 - Tris-Glycine Buffer (TG) Powder, pH 8.3 (Cat. #T9102)
 - Tris Buffered Saline (TBS) Tablets, pH 7.6 (Cat. #T9141)
 - Tris Buffered Saline with Tween20 (TBS-T) Tablets, pH 7.6 (Cat. #T9142)
 - Phosphate Buffered Saline (PBS) Tablets, pH 7.4 (Cat. #T9181)
 - Phosphate Buffered Saline (PBS) Tablets without Potassium, pH 7.4 (Cat. #T9182)
 - Phosphate Buffered Saline with Tween20 (PBS-T) Tablets, pH 7.4 (Cat. #T9183)

- < Protein Ladder Marker >
 - CLEARLY Protein Ladder (Unstained) (Cat. #3453A/B)
 - CLEARLY Stained Protein Ladder (Cat. #3453A/B)

NOTE: This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc.

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