

# BlockPRO™ 1 Min Protein-Free Blocking Buffer

**BM01-500/BM10-100/BM10-1L**

V1.5

Store at 2-8 °C  
For Research Use Only

## ■ Introduction

**BlockPRO™ 1 Min Protein-Free Blocking Buffer** is a fast blocking buffer for Western blotting with non-protein formulation containing 0.05% Tween-20 surfactant. It effectively prevents protein cross-reaction and improves the signal/noise ratio of the detected signals by one minute blocking. **BlockPRO™ 1 Min Protein-Free Blocking Buffer** can be applied to immunodetection systems including antibodies and biotin/avidin systems such as ELISA, Western blotting, immunohistochemistry and other immunochemical applications.

## ■ Product Components

### **BlockPRO™ 1 Min Protein-Free Blocking Buffer (BM01-500)**

1 Min Protein-Free Blocking Buffer	500 mL	1 bottle
User's manual		

### **BlockPRO™ 1 Min Protein-Free Blocking Buffer (10X) (BM10-100)**

1 Min Protein-Free Blocking Buffer (10X)	100 mL	1 bottle
User's manual		

### **BlockPRO™ 1 Min Protein-Free Blocking Buffer (10X) (BM10-1L)**

1 Min Protein-Free Blocking Buffer (10X)	500 mL	2 bottles
User's manual		

## ■ Safety Information

Please wear gloves, lab coat and goggles while operating. Prevent contact product directly. In case of contacting, wash with large amount of water.

## ■ Storage

**BlockPRO™ 1 Min Protein-Free Blocking Buffer** should be shipped at room temperature and be stored at 2-8 °C. Expiration date is labeled on the bottle or box. The product should be used up within 6 months after opening.

## ■ Instruction

**NOTE:** Before use, dilute **1 Min Protein-Free Blocking Buffer (10X)** to 1X with ddH<sub>2</sub>O.

1. Coating or transfer proteins according to apparatus manufacturer's instruction.
2. Add a sufficient volume of 1 Min Protein-Free Blocking Buffer to the ELISA well, Western blotting membrane or immunohistochemical slide.
3. Incubate at room temperature for 1-3 minutes.
4. Add the primary antibody prepared in 1 Min Protein-Free Blocking Buffer and incubate with shaking for 1 hour.
5. Continue with the standard protocol for specific application.

## ■ Troubleshooting

Problem	Possible cause	Remedy
Non-specific binding increased	Blocking buffer has exceeded the expiry date	Check the expired date before using
Sample color less intense than expected	Too high concentration of the primary or the secondary antibody	Decrease concentration of the primary or secondary antibody
Sample color is darker than expected	The primary antibody has multiple binding abilities	Increase the incubation time to 15-30 minutes

## ■ Related Visual Protein Products

LumiFlash™ Prime Chemiluminescent Substrate, HRP System	LF01-500	500 mL
LumiFlash™ Ultima Chemiluminescent Substrate, HRP System	LF08-500	500 mL
LumiFlash™ Infinity Chemiluminescent Substrate, HRP System	LF16-500	500 mL
LuminolPen™, HRP System	LH03-50	1 pen
LuminolPen™ EZ, HRP System	LH05-50	1 pen