

# BlockPRO™ Protein-Free Blocking Buffer

V2.0

**BF01-1L/BF10-100** (Store at 2-8 °C)

**BF20-50/BF20-50P** (Store at room temperature)

For Research Use Only

## ■ Introduction

**BlockPRO™ Protein-Free Blocking Buffer** is a non-protein formulated blocking buffer including 0.05% Tween-20 surfactant (the optimal concentration for general blocking). This blocking buffer can effectively prevent protein cross-reaction and reduce background noise. Additionally, **BlockPRO™ Protein-Free Blocking Buffer** can be applied to many immunodetection systems for blocking excess binding sites, such as ELISA, Western blotting, immunohistochemistry and other immunochemical applications.

## ■ Product Components

### **BlockPRO™ Protein-Free Blocking Buffer (BF01-1L)**

Protein-Free Blocking Buffer	500 mL	2 bottles
User's manual		

### **BlockPRO™ Protein-Free Blocking Buffer (10X) (BF10-100)**

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

### **BlockPRO™ Protein-Free Blocking Buffer (20X) (BF20-50P)**

Protein-Free Blocking Buffer (20X)	BF20-50	50 mL dilute	20 packs
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™ 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 **Protein-Free Blocking Buffer (10X)** or **Protein-Free Blocking Buffer (20X)** to 1X with ddH<sub>2</sub>O.

1. Add Protein-Free Blocking Buffer to the ELISA well, Western blotting membrane or immunohistochemical slide.
2. Incubate at room temperature for 30 minutes to 2 hours.
3. Continue with the standard protocol for specific application. Transfer proteins according to blotting apparatus manufacturer's instruction.

## ■ Troubleshooting

Problem	Possible cause	Remedy
Non-specific binding increased	Blocking buffer has exceeded the expiry date	Check the expired date before using

## ■ Related Visual Protein Products

RIPA Cell Lysis Buffer (5X)	RP05-100	100 mL
Dual-Range™ BCA Protein Assay Kit	BC03-500	1 kit
SDS-PAGE Running Buffer, 20 packs	RB500P	1 set
Western Blot Transfer Buffer, 20 packs	WTB500P	1 set
BlockPRO™ Blocking Buffer	BP01-1L	1 L
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