

Western Primary/Secondary Antibody Diluent

(WB004)

Product Overview

Western Primary/Secondary Antibody Diluent is designed for diluting primary and secondary antibodies in Western blotting, as well as blocking PVDF and NC membranes. Compared with conventional non-fat milk and BSA, this product enhances antibody activity and stability, significantly reduces non-specific binding, and improves the signal-to-noise ratio. Antibodies diluted with this product can be stored at 4°C for repeated use without freezing.

Components

Product Name	Cat. No.	Volume
Western Primary/Secondary Antibody Diluent	WB004	500 mL

Storage Conditions

Ship at ≤0°C. Stable for 1 year at 4°C; stable for 3 years at -20°C.

Precautions

1. This product is **for research use only** and not for clinical diagnosis or therapy.
2. This product contains preservatives (non-sodium azide). For your safety and health, please wear a lab coat and disposable gloves during operation.

Instructions

(1) Membrane Blocking

1. Use an appropriate volume of antibody diluent to fully cover the PVDF or NC membrane.
2. Block for 40–60 min at room temperature, or overnight at 4°C.
3. The used blocking diluent can be recovered and directly used for diluting primary/secondary antibodies for incubation.

(2) Antibody Dilution

1. Add an appropriate amount of antibody to the diluent according to the antibody datasheet or protein abundance in samples, and mix thoroughly.
2. Incubate the antibody following standard protocols (incubation at 4°C is recommended to prolong the lifespan of diluted

antibodies).

3. After use, recover the diluted primary/secondary antibody, store at 4°C, and reuse until performance declines.