



UltraBio™ Western Blot Enhancer

W751599

Store at 2-8°C long term (24 months).

Introduction:

UltraBio™ Western Blot Enhancer is a universal dilution buffer for primary antibodies or enzyme-labeled secondary antibodies in Western blotting. It can enhance the binding between antigens and antibodies in detection experiments, especially when the target protein band signal is weak due to extremely low abundance of the target protein or low antibody titer. It can increase the sensitivity of Western blot detection several times, thus effectively solving problems such as low sensitivity often encountered in the detection process. This product can also be used for sensitization in immunological detection methods such as Enzyme-Linked Immunosorbent Assay (ELISA), Dot-Blot, Immuno-Fluorescence, and Immuno-Histochemistry.

Buffer: MOPS

Protein: BSA

Shelf Life: 2 years

Storage: 2-8°C

Application: Western blot

Product Features:

1. **Significantly Enhance Target Band Signal Intensity:** It enhances the binding between antigens and antibodies in detection experiments, especially when the target protein abundance is extremely low or the antibody titer is low. For proteins that are difficult to detect, it can save time and effort in detection optimization.
2. **Easy to Obtain More Ideal Detection Results:** This product makes the target band signal stronger with lower background, resulting in better detection results.
3. **Save Antibody Usage:** The dosage of primary and secondary antibodies can be appropriately reduced, effectively saving experimental costs. Meanwhile, the primary or secondary antibodies diluted and prepared with this product can be stored at 2-8°C and can be used repeatedly for Western blot.
4. **Simple and Convenient to Use:** This product is a ready-to-use solution, universally applicable for the dilution of primary and secondary antibodies, without adding or changing the conventional Western detection steps.
5. **Good Universality and Applicability:** This product is compatible with PVDF membranes and NC membranes, and can also be used in immunoassays such as ELISA, Dot-Blot, Immuno-Fluorescence, and Immuno-Histochemistry.

Matters needing attention:

1. The detection effect of the diluted primary or secondary antibodies will decrease after multiple uses. If the detection effect decreases, or there is turbidity, precipitation, etc., they should be discarded. To enable the diluted primary or secondary antibodies to be used multiple times, the diluted antibodies should be recovered immediately after the antibody incubation and stored at 2-8°C immediately.
2. This product is only used for the dilution of primary or secondary antibodies, not for the blocking of blotting membranes, nor for the coating of antigens or antibodies in ELISA detection.
3. There is no need to add other blocking reagents such as BSA, skimmed milk powder, casein, etc. to this product. Adding other reagents extra may lead to adverse effects.
4. Due to the uncertainty of target proteins and antibodies, this product may have a general effect on increasing the detection signal intensity of some target proteins and corresponding antibodies.
5. In the actual use of this product, if the target band signal is very strong, the signal of non-specific bands will also be enhanced accordingly. At this time, you can try to appropriately reduce the protein loading amount, lower the concentration of primary and secondary antibodies, or shorten the exposure time.