

UltraBio™

Protein-Free Blocking Buffer for Western Blot

P751645

Store at 2-8°C for up to 1 year.

Introduction:

UltraBio™ Protein-Free Blocking Buffer for Western Blot is the latest generation of efficient and low-background producing Blocking Buffer without any protein components. The overall performance of this product is significantly superior to traditional Blocking Buffers with BSA (bovine serum albumin), skim milk, or casein, etc. This product is mainly used for blocking polyvinylidene fluoride (PVDF) or nitrocellulose (NC) membranes in Western blot (WB), and can also be used to dilute primary or secondary antibodies.

This Blocking Buffer does not contain any proteins. It is animal origin-free (AOF) and protein-free, effectively avoiding potential interactions with protein samples, thereby improving the accuracy of protein detection.

Usage method:

1. After protein transfer, wash the membrane with the Western wash buffer for 1-5 minutes.
2. Pour a sufficient amount of this product into a dish or appropriate container to cover the membrane completely. For a standard Western blot with a membrane of approximately 7.5×8cm, it is recommended to use approximately 10ml of Blocking Buffer.
3. Grip one corner of the membrane with a flat tip tweezer and place it in the Blocking Buffer, ensuring that the buffer completely covers the membrane. Block the membrane for approximately 10 minutes with shaking on a horizontal shaker (The blocking efficacy is significantly better than the conventional 1-hour blocking with BSA).
4. After blocking, the membrane can be directly used for subsequent steps such as primary antibody incubation without the need for washing.

Matters needing attention:

1. The blocking time varies for different antibodies, and the operation can be adjusted according to specific experiments. For antibodies with relatively high background values, the blocking time can be appropriately extended to 30 - 60 minutes. If there are special requirements, it can also be blocked overnight at 4°C.

2. There is no single blocking solution that is applicable to all experimental systems. Therefore, for some special experiments and antibodies, it may be necessary to consider changing to other blocking agents, such as BSA or skim milk powder, according to the specific situation.
3. This product is for scientific research use only and should not be used for other purposes.

A large, light blue, semi-transparent watermark of the Aladdin logo is oriented diagonally across the center of the page. It includes the stylized "a" and "l" with the yellow swoosh and the registered trademark symbol.