

F1 No-Blocking Ultra-Fast Antibody Diluent

Catalog #: RA10060

Product Overview

This product is a universal diluent suitable for blocking and antibody dilution in various immunoassays, including Western blotting, dot blotting, IHC, IF, and ELISA. It is protein-free and biotin-free, significantly improving the signal-to-noise ratio. Containing antibody activity-protecting and sensitizing components, it reduces the required antibody concentration; some antibodies can be further diluted 5-10 times to their usual concentration before use. Through a highly optimized formulation, it improves the efficiency of antibody binding to antigens, allowing for 15 minutes of incubation at room temperature for primary antibodies and 8 minutes for secondary antibodies. When using primary antibodies diluted with this product, blocking the transfer membrane is unnecessary.

Antibodies diluted with this product can be reused repeatedly and can usually be stored at 4°C or -20 °C for 6 months.

This product is compatible with various antibodies such as phosphorylated and acetylated antibodies. It does not contain toxic preservatives such as sodium azide, but contains preservatives with higher safety.

Product Information

Product Name	Storage	Size 1	Size 2
F1 No-Blocking Ultra-Fast Antibody Diluent	2-8°C	100mL	500mL
Manual	-	1pcs	1pcs

Transport at room temperature, store at 2-8°C, shelf life 1 year.

Product Advantages

- **Highly efficient and time-saving:** incubate with the first antibody for 15 minutes at room temperature and the second antibody for 8 minutes.
- **Universality:** Compatible with Western blot, dot blot, IHC, IF, ELISA and other experiments.
- **No blocking required:** Antibodies diluted with this product do not require blocking.
- **Recyclable:** The diluted antibodies from this product can be reused repeatedly.

Operational procedure (Taking Western Blot as an example)

1. **Membrane washing:** After the transfer is complete, place the membrane in an incubation box and wash it 1-2 times with T BST or P BST (this step can be omitted);
2. **Primary antibody incubation:** Add the primary antibody diluted with this product into the incubation chamber to completely immerse the membrane, and incubate on a shaker at room

F1 No-Blocking Ultra-Fast Antibody Diluent

Catalog #: RA10060

-
- temperature for 15 minutes ;
3. **Washing:** Recover the primary antibody and wash 3 times with T BST or P BST , each time for 3-5 minutes ;
 4. **Secondary antibody incubation :** Add the secondary antibody diluted with this product to the incubation box to completely immerse the membrane, and incubate on a shaker at room temperature for 8 minutes ;
 5. **Washing: Recover the secondary antibody and wash** 3 times with T BST or P BST , each time for 3-5 minutes;
 6. **Development:** Add an appropriate volume of ECL luminescent solution and expose and develop it in the instrument.

Precautions

1. This product can also be used as a sealing solution ;
2. Antibody incubation can be carried out at 4°C, room temperature, or 37 °C. The specific conditions need to be optimized according to the requirements.
3. the background is too high when using the recycled primary antibody working solution , this product can be used to block the primary antibody before incubation.
4. The antibody dilution ratio and reaction time need to be optimized based on the specific experiment type, sample type, and antigen expression level.
5. This product is for research use only.