

No-Blocking Rapid Antibody Diluent

Catalog #: RA10056

Product Overview

This product is suitable for diluting primary and secondary antibodies in Western blot experiments. Through a highly optimized formulation, it improves the efficiency of antibody binding to antigens, allowing primary and secondary antibodies to complete the incubation step at room temperature for 20 minutes. When using this product to dilute primary antibodies for the first time, no blocking step is required, and the transfer membrane can be incubated directly, thereby improving experimental efficiency.

Antibody working solution diluted with this product can be recovered normally 3-5 times and can usually be stored at 4°C for more than 6 months.

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

Product Information

Product Name	Storage conditions	Size 1	Size 2
No-Blocking Rapid Antibody Diluent	2-8°C	100mL	500mL
Manual	-	1pcs	1pcs

Store at 2-8°C, shelf life 1 year

Product Advantages

- **Highly efficient and time-saving:** Incubation of primary and secondary antibodies can be completed rapidly in 20 minutes at room temperature.
- **Universality:** Universal primary and secondary antibodies, compatible with modified antibodies such as phosphorylated and acetylated antibodies.
- **No blocking required:** No blocking is required when diluting the primary antibody with this product for the first time.
- **Recyclable:** The diluted antibody can be recycled and reused 3-5 times.

Operating procedures

1. **Preparation of working solution:** Add the primary or secondary antibody to an appropriate amount of this product according to the dilution ratio in the antibody instructions and mix well (the antibody working solution should completely cover the entire membrane; it is recommended to use more than 10 mL).
2. **Primary antibody incubation:** Place the transferred NC membrane or PVDF membrane into an appropriate volume of primary antibody working solution and incubate on a horizontal shaker at

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room temperature for 20 minutes (no blocking is required when using the primary antibody working solution for the first time).

3. **Washing:** Recover the primary antibody working solution and wash 3 times with T BST , each time for 3-5 minutes ;
4. **Secondary antibody incubation :** Place an appropriate volume of secondary antibody working solution in the incubation box and incubate at room temperature on a horizontal shaker for 20 minutes.
5. **Washing:** Recover the secondary antibody working solution and wash 3 times with T 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. If the background is too high when using the recycled primary antibody working solution , a blocking action needs to be added after the transfer .
2. For low-abundance proteins, it is recommended to incubate the primary antibody overnight at 4°C.
3. This product is for research use only.