

Uncoated Ancillary Reagent Kits

Catalog NO.:RK04587

Product introduction

This product is the universal reagent and consumables used in the experiment of Uncoated kit.

***This product is only used for scientific research and can not be used for clinical diagnosis.** Before using this product, please be sure to read the instructions in the product package.

Reagent components and preservation conditions

The unopened kit shall be stored at 2-8 °C for no more than 6 months. Do not use expired components.

Other required reagents (Uncoated Ancillary Reagent Kits: RK04587)

It can also be purchased separately.

Components	Specifications	货号	Reagent storage
Coating Buffer	1 x 20 mL	RM01756	Can be stored at 2-8 °C for up to 6 months.
Blocking Buffer	1 x 30 mL	RM01757	
Standard/Sample Diluent (R1)	1 x 20 mL	RM00023	
Biotin-Conjugate Antibody Diluent (R2)	1 x 12 mL	RM00024	
Streptavidin-HRP Diluent (R3)	1 x 12 mL	RM00025	
Wash Buffer(20x)	1 x 30 mL	RM00026	
TMB Substrate	1 x 12 mL	RM00027	
Stop Solution	1 x 6 mL	RM00028	Can be stored at room temperature for up to 6 months
Plate Sealers	4 x 1pcs	RM01759	
Uncoated plate	1 x 96T	RM01758	

Matters needing attention

1. Experimental supplies should be specific to avoid cross-contamination.
2. If TMB is irritating to the human body, please pay attention to the appropriate protection.
3. The termination solution is corrosive, please pay attention to proper protection.
4. Do not stack the coated plates to avoid uneven incubation of the coated plates.
5. When the sealing liquid is discarded, it should be dried, and there is no obvious liquid residue on the board.
6. Please wear lab clothes and wear disposable gloves.

Reagent usage

1. Coating Buffer

- a. Place product at room temperature of 25 (°C) before use.
- b. The rap buffer for antigen / antibody was used.
- c. 100 uL was added to each well and incubated in 2 - 8°C for 12 - 16 hours.

2. Blocking Buffer

- a. Place product at room temperature of 25 (°C) before use.
- b. Discard the bag inside the bag liquid, and dry the bag plate.
- c. 200 uL of blocking solution was added to each well and incubated at 37°C for 2 hours.

3. Standard/Sample Diluent (R1)

- a. Place product at room temperature of 25 (°C) before use.
- b. Dilute the standard / sample.
- c. The standard / sample is diluted at a certain dilution according to the range of the standard curve and the concentration of the sample.

4. Biotin-Conjugate Antibody Diluent (R2)

- a. Place product at room temperature of 25 (°C) before use.
- b. The biotinylated antibody was diluted according to the dilution ratio on the biotinylated antibody and the volume required for the experiment.

5. Streptavidin-HRP Diluent (R3)

- a. Place product at room temperature of 25 (°C) before use.
- b. Streptavidin was diluted following the dilution on streptavidin and the volume required for the experiment.

6. Wash Buffer(20x)

- a. Before use, 20x washing solution was diluted into 1x using ultrapure water and placed at room temperature.
- b. 350 uL of 1x wash solution was added to each well and left for 1.5min and this step was repeated four times.

7. TMB Substrate

- a. Place product at room temperature of 25 (°C) before use.
- b. 100 uL of the substrate was added to each well. The ls were incubated for 15 - 30 min at room temperature.

8. Stop Solution

- a. During the ELISA experiment, TMB was added to the microplate to the desired depth.
- b. The reaction was terminated by the addition of 50 uL of the ELISA termination solution.
- c. Absorbance values were measured at 450nm within 30 mins.

9. Plate Sealers

- a. After adding standards, biotinylated antibody, enzyme conjugate to the wells, stick to the wells.
- b. Reuse is not recommended.

10. Uncoated plate

- a. The coated antibody was diluted to the coated concentration.
- b. 100 uL of diluted coated antibody was added to each well.
- c. 2 - 8°C overnight and blocked the following day.