HRP Anti-Mouse IHC Detection System(DAB solution)

Catalog No.: PA10014

Basic Information

Product name	HRP Anti-Mouse IHC Detection System(DAB solution)
Sizes	6 mL, 30 mL, 100 mL
Storage	2-8 ℃
Shipping	Shipped with ice pack
Validity	12 months

Product Introduction

The IHC secondary antibody detection system developed by our company is a highly efficient and sensitive kit designed for immunohistochemical (IHC) detection of antigens in formalin-fixed, paraffin-embedded (FFPE) or frozen tissue sections. By optimizing the conjugation of secondary antibodies with horseradish peroxidase (HRP), this system significantly enhances detection sensitivity and specificity, making it suitable for IHC staining of various tissue types and antigens.

Product Components

Components	6 mL	30 mL	100 mL
Reagent 1: 3 % H_2O_2	6 mL	30 mL	100 mL
Reagent 2: Normal Goat Blocking Buffer	6 mL	30 mL	100 mL
Reagent 3: HRP labeled Goat Anti-Mouse IgG	6 mL	30 mL	100 mL
Reagent 4: DAB concentrate(50X)	120 µL	600 µL	2 mL
Reagent 5: DAB Dilution Buffer	6 mL	30 mL	100 mL

Experimental procedure(For reference only)

1. Deparaffinization and rehydration: For paraffin sections, dewax in xylene and rehydrate through graded ethanol.
2. Antigen retrieval: Select appropriate retrieval method (heat-induced [microwave, water bath], pressure, or enzymatic) according to antibody requirements.
3. Endogenous enzyme blocking: Incubate sections with 3% H_2O_2 (Reagent 1) for 15–20 min at room

temperature to quench endogenous peroxidase.
4. Wash: Rinse sections with buffer or distilled water, 3–5 min each, 3 times.
5. Blocking: Cover sections with Normal Goat Blocking Buffer (Reagent 2) and incubate at 37 °C for 30 min.
6. Primary antibody incubation: Dilute primary antibody to optimal concentration, cover sections evenly, and incubate overnight at 4 °C or 1 h at 37 °C.
7. Wash: Rinse with PBST or TBST, 3–5 min each, 3 times.
8. Secondary antibody incubation: Apply HRP-labeled Goat Anti-Mouse IgG (Reagent 3) to sections and incubate at room temperature for 30–60 min.
9. Wash: Rinse with PBST or TBST, 3–5 min each, 3 times.
10. Chromogenic reaction: Add DAB substrate (diluted 1:50; e.g., briefly centrifuge Reagent 4, then mix 1 μL DAB concentrate with 49 μL DAB Dilution Buffer [Reagent 5]; prepare fresh and use within 30 min). Incubate 3–10 min, monitor color development under microscope, and stop when appropriate.
11. Stop reaction with buffer or distilled water.
12. Counterstain (optional): Stain nuclei with hematoxylin.
13. Mounting: Seal coverslips with mounting medium (e.g., neutral balsam).
14. Microscopy: Examine results under light microscope.

Notes

1. Store reagents at 2–8 °C; do not freeze.
2. Optimize primary and secondary antibody concentrations and incubation times according to experimental needs.
3. Wear lab coat, disposable gloves, and mask for safety and health.
4. For research use only; not for diagnostic or clinical procedures.

This product is for research use only!