

PolyVision™ Polymer HRP (Mouse) IHC Kit-S

For Research Use Only

Catalog Number:

RS0045-3mL
RS0045-10mL
RS0045-100mL

Storage:

Store at 2-8°C.

Intended Use:

This system is intended for use with mouse primary antibodies and appropriate chromogens in IHC staining procedures to recognize target antigens in formalin-fixed, paraffin-embedded tissue sections.

Principle of Procedure

PolyVision™ Polymer HRP (Mouse) IHC Kit-S provides PathoBlocker™-2in1 Blocking Buffer and PolyVision™ Polymer HRP Goat Anti-Mouse IgG (H+L)-S reagent. PathoBlocker™-2in1 Blocking Buffer inactivates endogenous peroxidase and effectively reduces nonspecific antibody binding to off-target sites. PolyVision™ Polymer HRP Goat Anti-Mouse IgG (H+L)-S is a biotin-free polymer detection system designed to detect target proteins combined with mouse primary antibodies in a simplified one-step incubation assay, forming a polymer-based antibody-HRP complex. HRP catalyzes the oxidation of the chromogenic substrate 3,3'-diaminobenzidine (DAB), producing an insoluble brown precipitate that marks the localization of the target antigen, allowing visualization under a microscope.

Reagent provided

Component Description	Component Cat. No	RS0045-3mL	RS0045-10mL	RS0045-100mL
PathoBlocker™-2in1 Blocking Buffer	IHCX010	3mL	10mL	100mL
PolyVision™ Polymer HRP Goat Anti Mouse IgG(H+L)-S	RS0009	3mL	10mL	100mL

Procedure:

1. After antigen retrieval, rinse the sections with distilled water.
2. Apply the PathoBlocker™-2in1 Blocking Buffer provided in the kit to cover the tissue sections. Incubate for 10 minutes at room temperature to quench endogenous peroxidase activity.
3. Rinse the slides and immerse the sections in PBS buffer 5 times.
4. Apply an appropriate volume of the primary mouse antibody to cover the tissue section. Refer to the primary antibody manufacturer's recommendations for incubation temperature and time.
5. Rinse the slides with wash buffer 4 times, 5 minutes each.
6. Apply the PolyVision™ Polymer HRP Goat Anti Mouse IgG(H+L)-S provided in the kit to cover the tissue sections. Incubate in a humidified chamber for 30 minutes at room temperature.
7. Rinse the slides with wash buffer 4 times, 5 minutes each.
8. Add the chromogen solution to cover the tissue and observe the color development by eye or under a light microscope. When the desired color intensity is reached, end the reaction by rinsing the slides with distilled water.
9. Proceed with IHC staining following the standard protocol.

Precautions

1. For professional users.
2. Polymer HRP Goat Anti Mouse IgG(H+L)-S contains material of animal origin and it cannot be excluded that trace amounts of human material could be present due to manufacturing procedures. As with any product derived from biological sources, proper handling should be used in accordance with local requirements.
3. Wear appropriate Personal Protective Equipment when handling reagents to avoid contact with eyes, skin and mucous membranes. If contact occurred, wash the contacted area with copious amounts of water immediately.
4. This product contains Proclin 300, a chemical classified as an irritant and may cause sensitization through skin contact. Use protective clothing and gloves when handling.



Best Way for Immunology

5. Use proper procedures when handling products derived from biological sources.
6. Avoid microbial contamination which could lead to incorrect results.
7. Materials of human or animal origin should be handled as biohazardous materials and disposed of according to local, State and Federal regulations.
8. Consult local authorities when dispose of unused solution.

To obtain the Safety Data Sheet (SDS) for this product, kindly reach out to our technical support team at tech@immunoway.com.