

PolyVision™ Polymer HRP (Mouse/Rabbit) IHC Kit (DAB)-S

For Research Use Only

Catalog Number:

RS0050-3mL

RS0050-10mL

RS0050-100mL

Storage:

Store at 2-8°C.

Intended Use:

This system is intended for use with mouse or rabbit 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/Rabbit) IHC Kit (DAB)-S provides PathoBlocker™-2in1 Blocking Buffer, Immunohistochemistry Enhancer (Mouse), PolyVision™ Polymer HRP Goat Anti Mouse/Rabbit IgG (H+L)-S, and PathoDAB™-Gold. This kit is designed to inactivate endogenous peroxidase and effectively reduce nonspecific antibody binding to off-target sites, HRP catalyzes the oxidation of the chromogenic substrate 3,3'-diaminobenzidine (DAB) to produce an insoluble brown precipitate that labels the localization of the target antigen, allowing visualization under a microscope. It is a biotin-free polymer detection system designed to detect target proteins combined with mouse or rabbit primary antibodies, it can also amplify signals from mouse primary antibodies, particularly for weak signals.

Reagent provided

Component Description	Component Cat. No	RS0050-3mL	RS0050-10mL	RS0050-100mL
PathoBlocker™-2in1 Blocking Buffer	IHCX010	3mL	10mL	100mL
Immunohistochemistry Enhancer (Mouse)	RS0052	3mL	10mL	100mL
PolyVision™ Polymer HRP Goat Anti Mouse/Rabbit IgG (H+L)-S	RS0011	3mL	10mL	100mL
Buffer Stock Solution	IHCX007	3mL	10mL	100mL
DAB Stock Solution				
Hydrogen Peroxide Stock Solution				

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 5 times.
4. Apply an appropriate volume of the primary 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. (Optional) Apply the Immunohistochemistry Enhancer (Mouse) provided with the kit to cover the tissue sections. Incubate in a humidified chamber for 20 minutes at room temperature.
7. Rinse the slides with wash buffer 4 times, 5 minutes each.
8. Apply the PolyVision™ Polymer HRP Goat Anti Mouse/Rabbit IgG (H+L)-S provided in the kit to cover the tissue sections. Incubate in a humidified chamber for 30 minutes at room temperature.
9. Rinse the slides with wash buffer 4 times, 5 minutes each.
10. Add the chromogen solution to cover the tissue and monitor color development visually or under a light microscope. When the desired color intensity is reached, end the reaction by rinsing the slides with distilled water.
11. Proceed with IHC staining following the standard protocol.

Precautions

1. For professional users.
2. PolyVision™ Polymer HRP (Mouse/Rabbit) IHC Kit (DAB)-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 DAB, which is a suspected carcinogen; handle with caution. Protect DAB components from strong light and direct sunlight. Comply with all applicable federal, state, and local environmental regulations.
5. 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.
6. Use proper procedures when handling products derived from biological sources.
7. Avoid microbial contamination which could lead to incorrect results.
8. Materials of human or animal origin should be handled as biohazardous materials and disposed of according to local, State and Federal regulations.
9. 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.