

## Product Data Sheet

# TruVision™ Poly-HRP IHC Detection Kit

(anti-mouse/rabbit with DAB)

Catalog number : IHC-701-15, IHC-701-110

### Introduction

The **TruVision™** IHC Detection System is based on the site-directed clustering/coupling chemistry by which Poly-HRP conjugates are created as “*polymerized peroxidase clusters*” attached to detection antibodies. The “*polymerized peroxidase clusters*” on detection antibody offers outstanding sensitivity and signal intensity. This novel approach employed to prepare enzyme-labeled secondary antibodies avoids addition of linear polymer backbone molecules or biotin-avidin complex to reduce non-specific bindings in IHC staining. The cluster nature of polymerized peroxidase allows better permeation of the reagents to the target sites in tissue sections.

### Intended Use

For Research Use Only

### Applications

Immunohistochemistry: paraffin-embedded human tissue sections and frozen sections. Use with mouse or rabbit primary antibodies.

### Kit Includes:

Cat. No. IHC-701-15: The reagents provided are sufficient for 150 slides (based on 100 µl/slide)

<b>Blocking Reagent</b> (Part No. SU-01)	15 ml
<b>Prediluted Secondary Reagent</b> (Part No. SU-02)	15 ml
<b>TruVision™ Poly-HRP Conjugates</b> (Part No. HRP-221)	15 ml
<b>DAB Solution A (30X)</b> (Part No. SU-30A)	2 ml
<b>DAB Solution B (30X)</b> (Part No. SU-30B)	2 ml

Cat. No. IHC-701-110: The reagents provided are sufficient for 1100 slides (based on 100 µl/slide)

<b>Blocking Reagent</b> (Part No. SU-01)	110 ml
<b>Prediluted Secondary Reagent</b> (Part No. SU-02)	110 ml
<b>TruVision™ Poly-HRP Conjugates</b> (Part No. HRP-221)	110 ml
<b>DAB Solution A (30X)</b> (Part No. SU-30A)	7 ml
<b>DAB Solution B (30X)</b> (Part No. SU-30B)	7 ml

### Storage and Stability

All reagents are to be stored at 2-8 °C. The expiration date is specified on each reagent label.

### Instruction

Before beginning the staining procedure, the tissue sections should be treated via **deparaffin/rehydration** and **antigen retrieval** process. The endogenous peroxidase can be blocked with 0.3 % H<sub>2</sub>O<sub>2</sub> in TBS wash buffer. (incubate for 20 min at room temperature). Rinse 3 times with wash buffer after the blocking. Do not allow tissue sections to dry out during the staining procedure.

#### Staining Procedure:

1. Apply **Blocking Reagent** to the sections, incubate for 20 min at room temperature.
2. Drain slides to remove the blocking solution and wipe around the sections with tissue paper.
3. Apply prediluted primary antibody and incubate for 30-60 min at room temperature (or follow the instruction provided by primary antibody suppliers).
4. Rinse off the excess primary antibody with wash buffer, 3 x 2 min, with gentle agitation. Wipe around the sections with tissue paper.
5. Apply **Prediluted Secondary Reagent**, incubate for 20 min at room temperature.
6. Rinse off the reagent with wash buffer, 3 x 2 min. Wipe around the section with tissue paper.
7. Apply **TruVision™ Poly-HRP Reagents** to the slide, incubate for 20 min at room temperature.
8. Rinse off the excess primary antibody with wash buffer, 3 x 2 min, with gentle agitation. Wipe around the sections with tissue paper.
9. For DAB staining, to 0.934 ml dH<sub>2</sub>O, add 33 µl of **DAB solution A (30x)** and 33 µl of **DAB Solution B (30x)**. After mix, the DAB working solution should be immediately applied to the tissue sections.
10. Apply DAB for 1-2 min, rinse well with tap water.
11. Counterstain and mount