Poly-HRP IHC Amplification Kit

Introduction
CytoMol's Poly-HRP IHC Amplification Kit utilizes a novel controlled polymerization technology to prepare polymeric HRP-linker antibody conjugates. Comparing to conventional biotin-streptavidin based detection kits; the Poly-HRP IHC Amplification Kit has the advantages of simpler protocols, high amplification power, biotin free and more consistent immunostaining outcomes on archival tissues and on difficult-to-work antibodies. These advantages would bring to laboratories the benefit of more accurate result, faster turn-around, less trouble-shooting and better cost saving.

Features
- High sensitivity
- Simple protocol

Application
- Immunohistochemistry

Description
Affinity purified anti mouse/rabbit IgG, polymeric HRP linked antibody is enclosed in Poly-HRP IHC Amplification Kit. With the special ready-to-use Blocking Solution and 30x DAB Solution A and B, this kit generates high quality immunohistochemistry results.

Quality Control
In order to guarantee the kits' quality, each lot of the kit is tested with primary antibody to show the positive staining on control slides.

Contents

Item	Size	Storage
Poly-HRP Anti Mouse/rabbit IgG	15 ml	2-8°C
Blocking Solution	15 ml	2-8°C
DAB Solution A 30x	1 ml	2-8°C
DAB Solution B 30x	1 ml	2-8°C

IHC Protocol: (at room temperature)
Deparaffinization, rehydration
Blocking endogenous peroxidase with 3% H_2O_2 in dd water for 10 minutes
Performing antigen retrieval or enzyme digestion if necessary

1. Block with Blocking Solution*, 10 min; Blot off blocking solution but no need to wash
2. Incubate with mouse or rabbit primary antibody, 30-60 min, wash with TBS, 5'x2
3. Incubate with Poly-HRP anti-Mouse/Rabbit IgG, 30 min, wash with TBS, 5'x2
4. Incubate with DAB solution**, 5 min, wash with dd water
5. Counter stain with hematoxylin and mount

Note:
* The blocking solution can also be used as diluent for primary antibodies. When blocking solution is used as the diluent for primary antibody, blocking step can be omitted.
** Instruction: Mix one drop DAB Solution A (33 µl) and one drop DAB Solution B (33 µl) with 0.93 ml dd water, then apply to tissue sections

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