

Fast Red
(For use with AP-labeled detection system)

Application:

The permanent Red Chromogen kit is intended for laboratory use to identify by light microscopy target antigens in formalin fixed paraffin embedded tissue or frozen tissue when used in conjunction with antibodies and detection reagents using Alkaline Phosphatase enzyme in the IHC staining process.

When in the presence of Alkaline Phosphatase, Permanent Red Chromogen produces a non-fading, bright red precipitate that can be readily visualized using light microscopy.

The chromogen is the final step in the detection portion of the IHC process; it enables the antibody antigen complex to be viewed under light microscope. Permanent Red acts as an electron donor in the presence of enzyme Alkaline Phosphatase. As a result, Permanent Red gets reduced and the color change occurs.

Kit Components: Naphthol Phosphate 125ml, 1x
Fast Red tablet: 5mg/tablet, 30 tablets

Intended use: For research use only

Usage:

- After application of AP detection, rinse tissue section in PBS or TBS Wash buffer
- Dissolve one tablet in 4-5ml Naphthol Phosphate.
- Apply to tissue and incubate for 20-40 minutes. It can be applied two times to increase staining intensity.
- Rinse tissue in deionized water

Note:

When using Fast Red chromogen, do not expose the section to organic solvents such as xylene for counterstaining, dehydration or mounting because the reaction product is soluble in organic solvents.

Precautions:

Fast Red is a suspected carcinogen. Do not pipet by mouth. Avoid contact with skin and eyes.