

## PermaRed/AP

(Alcohol & Xylene Compatible)

- Catalog No.:** K 049-110
- Intended Use:** As a substrate/chromogen in conjunction with alkaline phosphatase based immunostaining or in situ hybridization systems.
- Introduction:** PermaRed/AP is a substrate-chromogen system designed to be used for either IHC or ISH when utilizing alkaline phosphatase. PermaRed/AP produces a brilliant dark red color. PermaRed/AP is insoluble in organic solvents; therefore sections can be dehydrated in alcohol, cleared in xylene (or a xylene-substitute), and permanently mounted.
- Components:**
- (i) 110mL clear PermaRed/AP Substrate Buffer
  - (ii) 3mL concentrated PermaRed/AP Chromogen
  - (iii) One empty mixing dropping bottle
- Storage:** Store at 2-8°C. Do not use beyond expiration date stated on the labels.
- Working Solution:** Aliquot 3mL of PermaRed/AP Substrate Buffer in a mixing bottle. Add one drop (~20µL) of PermaRed/AP Chromogen. Replace tip, mix, and allow solution to reach room temperature before using.  
*Note: The working chromogen-substrate solution should be used within 15 minutes of preparation. Any solution not used during this period should be discarded.*
- Procedure:**
- i) After SA-alkaline phosphatase incubation, wash tissue sections with wash buffer.
  - ii) Wipe slides, removing excess buffer. Add enough drops of working PermaRed/AP solution to cover tissue sections.
  - iii) Incubate for 5-15 minutes at room temperature. For optimal results, observe reaction under microscope for signal development. Once desired signal to noise ratio is achieved, stop reaction by rinsing slides in wash buffer.
  - iv) Counter stain sections in hematoxylin.
  - v) Dehydrate sections in alcohol, clear in Xylene (or Xylene-substitute), and mount in permanent mounting medium.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: [www.dbiosys.com](http://www.dbiosys.com) e-mail: [customersupport@dbiosys.com](mailto:customersupport@dbiosys.com)