

PermaRed/AP

(Alcohol & Xylene Compatible)

- Catalog No.:** K 049
- Intended Use:** 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 using alkaline phosphatase detection. 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) 30mL clear PermaRed/AP Substrate Buffer
 - (ii) 1mL 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 prepared fresh and 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 PermaRed/AP working 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) Counterstain 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

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