



HIGHDEF[®] red IHC chromogen (AP)

Catalog #: ADI-950-140

Alcohol & Xylene Compatible

**FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

INTENDED USE

Substrate/chromogen in conjunction with alkaline phosphatase-based immunostaining or *in situ* hybridization (ISH) systems.

INTRODUCTION

HIGHDEF[®] red IHC chromogen (AP) is a substrate-chromogen system designed to be used for either immunohistochemistry (IHC) or ISH when using alkaline phosphatase detection. HIGHDEF[®] red IHC chromogen (AP) produces a brilliant dark red color. HIGHDEF[®] red IHC chromogen (AP) is insoluble in organic solvents; therefore, sections can be dehydrated in alcohol, cleared in xylene (or a xylene-substitute), and permanently mounted. This chromogen substrate system may be used for both automation and manual use.

KIT CONTENTS

Description	30mL
HIGHDEF [®] red IHC chromogen (AP) Substrate Buffer	30 mL
HIGHDEF [®] red IHC chromogen (AP) Chromogen	1 mL
Empty Mixing Bottle	1

STORAGE

Store at 2°-8°C. Chromogen is light sensitive, store away from light. Do not use beyond expiration date stated on the labels.

WORKING SOLUTION

Aliquot 1 mL of HIGHDEF[®] red IHC chromogen (AP) Substrate Buffer in a mixing bottle. Add one drop (~20µL) of HIGHDEF[®] red IHC chromogen (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 20-30 minutes of preparation. Any solution not used during this period should be discarded.

Protocol	STAINING PROCEDURE:	INCUBATION TIMES
Following alkaline phosphatase incubation, wash tissue sections with wash buffer, then follow protocol of choice:		
Batch Mode (Automation)	Using Batch Mode on your instrument, wait for machine to notify you when ready, then mix chromogen and buffer in a 1:50 ratio and load onto instrument. Working solution is stable for only 20-30 minutes and should be applied to slide immediately for best results.	Working Solution: 10 - 20 min
On Board Mixing (Automation)	Instruments that have on-board mixing capability can load the chromogen and substrate-buffer components independently. Working solution is made mixing reagents 1:50 using on-board mixing station before application to slide.	Working Solution: 10 - 20 min
Manual Use	Mix substrate-chromogen and buffer in a 1:50 ratio and apply directly to slide.	Working Solution: 10 - 20 min

COUNTERSTAIN

Use Hematoxylin for good contrast. Wash with distilled or de-ionized H₂O followed by immuno wash buffer.

MOUNTING

Sections can be dehydrated in alcohol, cleared in xylene or xylene substitute and permanently mounted.

Alternatively, slides can be air dried (instead of alcohol and xylene). After rinsing off counterstain in distilled or de-ionized H₂O, leave slides on benchtop for at least 20 minutes to air dry, then permanently mount or use aqueous mounting media (HIGHDEF[®] IHC mount, Prod. No. ADI-950-261).



Product Manual

USE FOR RESEARCH PURPOSES ONLY

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TRADEMARKS AND PATENTS

Several Enzo Life Sciences products and product applications are covered by US and foreign patents and patents pending.

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