

Store at
4°C

SignalStain® Ultra Blue Alkaline Phosphatase Substrate Kit

#12824

1 Kit
(1100 slides)

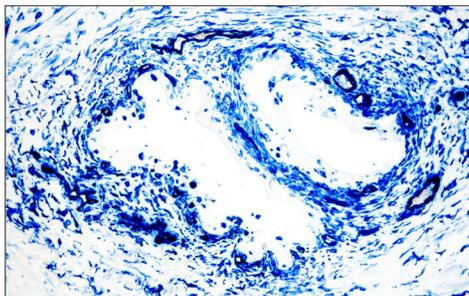
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For Research Use Only. Not For Use In Diagnostic Procedures.

Product Includes	Product #	Quantity
SignalStain® Ultra Blue Diluent	80587	110 mL
SignalStain® Ultra Blue Chromogen Concentrate	91355	3 mL

Description: The SignalStain® Ultra Blue Alkaline Phosphatase Substrate Kit contains all of the necessary reagents to prepare a working solution of Ultra Blue for staining tissue sections. The Ultra Blue working solution is compatible with alkaline phosphatase (AP) detection systems such as the SignalStain® Boost IHC Detection Reagents (AP, Rabbit #18653, AP, Mouse #31926, AP, Rat #15764, and AP, Goat #26927), yielding a heat stable, blue reaction product that is also fluorescent.



Immunohistochemical analysis of paraffin-embedded human prostate carcinoma using Vimentin (D21H3) XP® Rabbit mAb #5741.

Note: Detection was performed with SignalStain® Boost IHC Detection Reagent (AP, Rabbit) #18653 and SignalStain® Ultra Blue Alkaline Phosphatase Substrate Kit.

Storage: Substrate kit should be stored at 4°C, protected from light. Each kit is stable for 6 months upon receipt if the reagents are not combined.

Directions for Use:

- To prepare the Ultra Blue/AP chromogen-substrate working solution, add 1 drop SignalStain® Ultra Blue Chromogen Concentrate to 1 mL SignalStain® Ultra Blue Diluent. Mix well before use. Working solutions are stable for up to 1 day when stored at 4°C. For optimal results, prepare fresh reagent.
- After incubation with SignalStain® Boost IHC Detection Reagent or other AP-based detection systems, wash slides and incubate with the working solution at room temperature until staining develops. 8-20 minutes generally provides an acceptable staining intensity.
- Wash slides for 5 minutes in water.
- Counterstain, if desired. Note that Hematoxylin #14166 is unlikely to provide sufficient contrast with Ultra Blue.
- Mount coverslips. After rinsing off the counterstain, air dry the slides for 20 minutes or longer. Permanently mount coverslips with SignalStain® Aqueous Mounting Medium #27290. Alternatively, slides may be dehydrated through graded alcohols and cleared in a xylene substitute, then mounted with a permanent mounting medium, SignalStain® Mounting Medium #14177. Ultra Blue is not compatible with xylene.

For best color preservation and long-term slide storage, it is recommended to use SignalStain® Mounting Prep Solution #50815 after counterstaining.

Appropriate personal protective equipment should be worn when handling Ultra Blue. Dispose of in accordance with local regulations.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry CHIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry FC-FP—Flow cytometry-Fixed/Permeabilized FC-L—Flow cytometry-Live E-P—ELISA-Peptide
Species Cross-Reactivity: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse
All—all species expected. Species enclosed in parentheses are predicted to react based on 100% homology.