BOSTER BIOLOGICAL TECHNOLOGY
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antibody and ELISA experts

DAB Substrate Kit (Blue, Chromogenic)

Catalog number: AR1025

This package insert must be read in its entirety before using this product.

For research use only. Not for use in diagnostic procedures.

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Catalog Number: AR1025, **Storage:** Upon receipt store DAB Chromogenic Substrate Kit (Blue) at -20°C. It is stable at -20°C for one year. . Shipped in room temperature.

List of Components

Description	Quantity	Volume	Catalog Number
Reagent A: DAB Chromogen Concentrate (20X)	1	3mL	AR1025-A
Reagent B: H2O2 Concentrate (20X)	1	3mL	AR1025-B
Reagent C: TBS buffer Concentrate (containing nickel chloride) (20X)	1	3mL	AR1025-C

Overview

Product Name	DAB Chromogenic Substrate Kit (Blue)
SKU/Catalog Number	AR1025
Pack Size	1 kit (for 600-900 assays)
Form Supplied	Concentrated solution (20X)
Storage	Upon receipt store DAB Chromogenic Substrate Kit (Blue) at -20°C. It is stable at -20°C for one year.
Equivalent	N/A
Application	Immunohistochemistry Immunocytochemistry *Our Boster Guarantee covers the use of this product in the above tested applications.
Description	Boster's DAB Chromogenic Substrate Kit (Blue) is used to stain tissue sections and cells in immunocytochemistry and immunohistochemistry applications.
Cite This Product	DAB Chromogenic Substrate Kit (Blue) (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR1025)

Assay Principle

DAB (3,3□-diaminodbenzidine) is a sensitive colorimetric substrate used with horseradish peroxidase (HRP) in immunohistochemistry and immunoblotting applications. The DAB Chromogenic Substrate Kit (Blue) contains the necessary reagents to prepare a DAB substrate working solution. The DAB working solution reacts with peroxidase (Horseradish Peroxidase/HRP) detection system to yield an insoluble Blue precipitate. This diaminodbenzidine-based peroxidase substrate can be used on tissue sections and cells to visualize the localization of an HRP-conjugated antibody in immunocytochemistry and immunohistochemistry applications.

Important Product Information

DAB is a suspected carcinogen. Good laboratory practices should be followed. Avoid contact with skin and eyes and use appropriate protective equipment when handling DAB, including gloves, protective eyeware and a lab coat. Dispose in accordance with local regulations.

Assay Protocol

1. Following incubation with a peroxidase (HRP) detection antibody, wash slides three times with TBS or PBS for 7 minutes each.

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2. To prepare the DAB working solution, add one drop (50uL) Reagent A (DAB Chromogen Concentrate), one drop (50uL) Reagent B (H2O2 Concentrate) and one drop (50uL) Reagent C (TBS buffer Concentrate) to 1mL distilled water and mix well.

3. Cover the slide completely with the DAB working solution and incubate at room temperature until desired color intensity develops.1-10minutes generally provides an acceptable staining intensity.
Note: For best result, monitor slides during development process using a microscope. The concentration of DAB working solution could be increased or decreased according to the staining intensity.

4. Wash the slide well with water.

5. Counterstain with nuclear fast red for 5 minutes, if desired.

6. Dehydrate, clean in xylene and mount slide.

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