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Datasheet for DAB-10

DAB Membrane Peroxidase Substrate (50X)

Overview

Description:	DAB Membrane Peroxidase Substrate (50X) - DAB-10
Item No.:	DAB-10
Size:	10 mL
Applications:	IHC, WB

Product Details

Background:	DAB Membrane Peroxidase Substrate (50x) is a benzidine derivative that is oxidized by hydrogen peroxide in the presence of hemoglobin, yielding a dark-brown color of solution. This oxidation can be utilized for tissue samples by first preparing them with hydrogen peroxide. DAB Membrane Peroxidase Substrate (50x) is ideal for researchers in Immunology and Microbiology research.
Synonyms:	3,3',4,4'-Tetraamino-diphenyl; 3,3'-Diaminobenzidine, Dab Membrane Peroxidase Substrate, Dab Membrane HRP Substrate

Application Details

Suggested Applications:	IHC, WB (Based on references)
Application Note:	DAB Membrane Peroxidase Substrate (50x) is designed to be diluted with Rockland part number DAB-B50
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1X
WB:	1X

Formulation

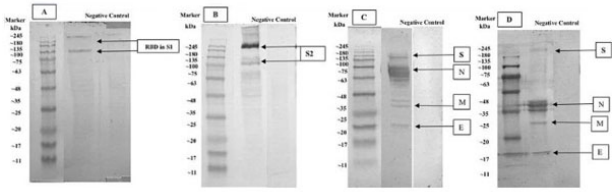
Physical State:	Liquid - brown
Concentration:	50x

Stabilizer:	Proprietary 50X buffer with solvents and stabilizers

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at 4° C prior to opening. Protect from moisture and light. No special shipping conditions or precautions are required.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) western blot staining with anti-SARS-CoV-2 Receptor Binding Domain (RBD) monoclonal antibody for detecting S1 protein (MAB10540, RnD System) (8% gel); (A): western blot staining with anti-SARS-CoV-2 S2 monoclonal antibody (MAB10557, RnD System) (8% gel); (B): western blot staining with rabbit antibody serum (12% gel); (C): western blot staining with human convalescent serum from the COVID-19 infection (8% gel); (D): (S) labeled for spike protein, (N) labeled for nucleoprotein protein, (M) labeled for membrane protein, (E) labeled for envelope protein.
Western blot was performed by using antibody serum from an immunized rabbit with visualization and with HRP-conjugated anti-rabbit IgG polyclonal antibody with 1:10.000 concentration (Cat. no. 611-103-122, Rockland, USA) and DAB (Rockland, USA).
Figure 5. PMID: 34621509.

Bottle
DAB Membrane Peroxidase Substrate (50X)

References

- Barsky SH et al. Bone Marrow Origin of Mammary Phagocytic Intraductal Macrophages (Foam Cells). *Int J Mol Sci.* (2025)
- Rantam FA et al. Characterization of SARS-CoV-2 East Java isolate, Indonesia. *F1000Res.* (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.