SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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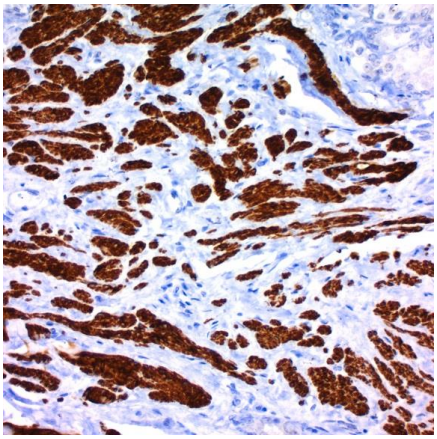
P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

PolyTek Anti-Mouse (DAB) Polymerized HRP Imaging System

Description: PolyTek HRP Anti-Mouse (DAB) Polymerized Imaging System has been developed to provide the cleanest, most consistent staining available. Developed in the research laboratories of ScyTek, the system is based on a polymerized peroxidase label that eliminates biotin and its' associated background issues from the equation. In addition, this product reduces the steps required for immunohistochemical staining by combining two steps from the traditional Biotin-Streptavidin system. PolyTek HRP Anti-Mouse Polymerized Imaging System is effective with antibodies of mouse or rat origin.

Uses/Limitations:
Not to be taken internally.
For In Vitro Diagnostic Use.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.



Control Tissue:
Any well-fixed tissue section.
Frozen tissue section.
Cytocentrifuge preparation.

Ordering Information and Current Pricing at www.scytek.com

Test Capacity: 80 Slides

Kit Contents:

Item #	Description	Volume
ADA008	Peroxide Block for Image Analysis	8 ml
AAA008	Super Block	8 ml
PAM008	Anti-Mouse Polymerized HRP	8 ml
ACB003	DAB Chromogen Concentrate	3 ml
ACU005	DAB Substrate (High Contrast)	5 ml x 8 vials

Recommended, But Not Included:

Item #	Description
CPL500	Citrate Plus
HAQ500	Hematoxylin for Automation
BRT500	Bluing Reagent

Storage: Store at 2-8°C.

Precautions:
Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C 8° C

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Procedure:

1. Rehydrate tissue slides.
2. In a glass or plastic (Autoclavable) Coplin jar, add 5 ml of Citrate Plus (CPL) and 45 ml of deionized water.
3. Submerge slides in diluted Citrate Plus and loosely cap.
4. Add Distilled water to bottom of Autoclave or Pressure Cooker (about 1 inch deep in Pressure Cooker).
5. Place Coplin jar in Pressure Cooker or Autoclave.
6. Turn heat on and allow pressure to rise to 20-25 PSI.
7. Maintain pressure at 20-25 PSI for 5 minutes.
8. Turn off heat source and allow to cool.
9. When pressure has dropped to ambient, carefully remove lid or open door.
10. Using tongs, remove Coplin Jar and place on counter.
11. Once Coplin Jar cools to room temperature remove slides, rinse several times in buffer and proceed with staining as usual.
12. Apply Peroxide Block for Image Analysis (ADA) and incubate slide for 10-15 minutes.
13. Rinse 3 times in buffer.
14. Apply Super Block (AAA), and incubate for 5 minutes at room temperature to block nonspecific background staining. **Note:** Do not exceed 10 minutes or there may be a reduction in desired stain.
15. Rinse 3 times in buffer.
16. Apply primary antibody and incubate according to manufacturer's protocol.
17. Rinse 3 times in buffer.
18. Apply PolyTek Anti-Mouse Polymerized HRP and incubate for 30 minutes at room temperature.
19. Rinse 3 times in DI water.

WARNING: DAB is a suspected carcinogen. Handle with care and dispose of according to all regulations.

20. Add 8 drops of DAB chromogen to one 5ml vial of DAB Substrate. Mix well and apply to tissue for 5 minutes.
21. Rinse 1 time in DI Water.
22. Apply DAB Chromogen/Substrate mixture and incubate for a second 5-minute period.
23. Rinse 3 times in DI water
24. Apply Hematoxylin, Mayer's (HMM) and incubate for 1 minute.
25. Rinse 3 times in distilled water.
26. Apply Bluing Reagent (BRT) and incubate for 5-10 seconds.
27. Rinse immediately in distilled or deionized water.
28. Dehydrate slides and clear in xylene or xylene substitute.
29. Coverslip using a permanent mounting media.

-Troubleshooting Guide-

Storage: 2° C 8° C

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Overstaining:

1. Concentration of the primary antibody was too high or the incubation time was too long.
2. Temperature during incubation was too high.
3. Incubation times were too long.

Non-Specific Background Staining:

1. Rinsing between steps was inadequate.
2. Tissue was allowed to dry with reagents on.
3. Folds in tissue trapped reagents.
4. Antigen migrated in tissue.
5. Excessive tissue adhesive on slides.
6. Inadequate blocking with protein block.

Weak Staining:

1. Primary antibody concentration was too low or incubation time was too short.
2. Reagents are past their expiration date.
3. Inadequate removal of wash buffer between steps, resulting in dilution of reagents.
4. Room temperature was excessively cool.
5. The primary antibody does not recognize an antigen that survives fixation and embedding in high enough amounts.
6. Excessive incubation with protein block (Super Block or normal serum).

No Staining:

1. Steps were inadvertently left out.
2. There is no antigen in the tissue.
3. The primary antibody is not of mouse or rat origin.
4. Chromogenic substrate has been replaced with another that is not intended for use with peroxidase.
5. One or more components of the kit have been inactivated.

References:

1. Kaliaperumal J, Padarthi P, Elangovan N, Hari N. Anti-tumorigenic effect of nano formulated peptide pACC1 by diminishing de novo lipogenisis in DMBA induced mammary carcinoma rat model. Biomedicine & Pharmacotherapy. 2014 Jul 31;68(6):763-73.
2. Valva P, Gismondi MI, Casciato PC, Galoppo M, Lezama C, Galdame O, Gadano A, Galoppo MC, Mullen E, De Matteo EN, Preciado MV. Distinctive intrahepatic characteristics of paediatric and adult pathogenesis of chronic hepatitis C infection. Clinical Microbiology and Infection. 2014 Dec 31;20(12):O998-1009.

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