

增强型 DAB 显色试剂盒 (20×)

货号: DA1016

规格: 60mL/200mL

保存: 2-8℃, 避光保存, 有效期 1 年。

产品组成:

试剂名称	60mL	200mL	保存
试剂(A):溶液 A	3mL	10mL	2-8℃, 避光
试剂(B):溶液 B	3mL	10mL	2-8℃, 避光
试剂(C):溶液 C	60mL	100mL×2	2-8℃
临用前按照 1:1:18 的比例混匀即为 DAB 显色工作液。			

产品介绍:

增强型 DAB 显色试剂盒是一种借助辣根过氧化物酶(HRP)反应, 可用于免疫组化显色、原位杂交显色或 Western、Southern、Northern、EMSA 等膜显色的试剂盒。DAB 是辣根过氧化物酶的常用底物。在辣根过氧化物酶的催化下, DAB 会产生棕色沉淀。该棕色沉淀不溶于水和乙醇, 可用于正常脱水封片。

本产品采用特殊配方, 灵敏度高, 背景低, 重复性好, 储存稳定, 使用方便, 适合于蛋白印迹、免疫组织化学和免疫细胞化学、斑点印迹和生物芯片等的染色和显色反应。

操作步骤: (仅供参考)

- 1、对于组织切片或蛋白质印记膜, 在与辣根过氧化物酶 (HRP) 标记的抗体或其它形式的探针孵育后, 用适当洗涤液洗涤 3-5 次, 每次 3-5 分钟。(见注意事项 1)
- 2、将溶液 A、B、C 按照 1:1:18 的比例混合均匀, 即为 DAB 工作液, 建议 4h 内使用。(见注意事项 2)
- 3、向组织切片或膜上加入适量 DAB 显色工作液, 确保能充分覆盖样品。(见注意事项 3)
- 4、室温避光孵育 1-30 分钟, 显色时间过长可引起本底增高, 故应密切观察显色过程 (一般 3-10 分钟最理想), 并在本底较浅且达到适当显色强度时以流水漂洗终止显色反应。
- 5、对于组织切片或细胞样品, 显色反应终止后可对其进行其他染料 (常用苏木素染色液) 复染。对于膜, 显色反应终止后, 可以室温晾干避光保存。

注意事项:

1. 洗涤液可使用 1×PBS、1×PBST 及其他免疫组化或膜显色中常用清洗缓冲液。
2. 试剂(A):溶液A应为淡黄色至紫红色透明液体, 新配的工作液应为无色或棕黄色, 如颜色过深或出现沉淀, 请勿使用。如配好的工作液放置时间较长导致变色或出现沉淀, 请勿使用。
3. 通常建议每块组织切片添加 80-100ul DAB 显色工作液, 每平方厘米印记膜添加 40-50ul DAB 显色工作液, 即 60mL 规格的增强型 DAB 显色试剂盒 (20×) 可用于约 600 张组织切片染色或 1200 平方厘米的印记膜染色。
4. DAB 有潜在致突变作用, 为了您的安全和健康, 请穿实验服并戴一次性手套操作。
5. 如显色不佳或长期不用无法确认试剂状态, 可取稀释好的二抗孵育液和工作液按照 1: 3 混匀, 静置观察, 混合液应在 2min 内变棕黄色, 10min 内沉淀。

相关产品:

P1032 20×PBS, PH7.2-7.4

G1080 Mayer 苏木素染色液(免疫组化)

A2010 AEC 底物显色试剂

相关文献:

[1] Hongying Diao, Bin Liu, Yongfeng Shi, et al. MicroRNA-210 alleviates oxidative stress-associated cardiomyocyte apoptosis by regulating BNIP3. Bioscience. June 2017. (IF 5.876)

注: 更多使用本产品的文献请参考索莱宝官网。

Enhanced DAB Chromogenic Kit(20×)

Cat: DA1016

Size: 60mL/200mL

Storage: 2-8°C, avoid light, valid for 1 year.

Kit Components

Reagent	60mL	200mL	Storage
Reagent (A):Solution A	3mL	10mL	2-8°C, avoid light
Reagent (B):Solution B	3mL	10mL	2-8°C, avoid light
Reagent (C):Solution C	60mL	100mL×2	2-8°C
Before use, mix Reagent A, B and C as the ratio of 1:1:18 to prepare DAB Working Solution.			

Production

Enhanced DAB Chromogenic kit (20×) is a kind of reagent kit for immunohistochemical chromogenic, in situ hybridization chromogenic or Western, Southern, Northern, EMSA and other membrane chromogenic with the help of Horseradish peroxidase (HRP). DAB is a common substrate of Horseradish peroxidase. Under the catalysis of Horseradish peroxidase, DAB will produce brown precipitate. The brown precipitate is insoluble in water and ethanol and can be used for normal dehydration and sealing.

This product adopts a special formula with high sensitivity, low background, good repeatability, stable storage, and convenient use. It is suitable for staining and color reaction in protein blotting, immunohistochemistry, immunocytochemistry, dot blotting, and biochip.

Protocols (only for reference)

1. For tissue sections or protein imprinted membranes, after incubation with antibodies labeled with Horseradish peroxidase (HRP) or other forms of probes, rinse 3-5 times with appropriate washing solution for 3-5 minutes each time. (See Note 1)
2. Mix Solution A, B, and C evenly in a ratio of 1:1:18 to form DAB Working Solution. It is recommended to use within 4 hours. (See Note 2)
3. Add an appropriate amount of DAB Working Solution to the tissue slice or membrane to ensure sufficient coverage of the sample. (See Note 3)
4. Incubate at room temperature in dark for 1-30 minutes. If the chromogenic time is too long, it can cause an increase in background. Therefore, the chromogenic process should be closely observed (usually 3-10 minutes is optimal), and the chromogenic reaction should be terminated by rinsing with running water when the background is shallow and reaches the appropriate chromogenic intensity.
5. For tissue sections or cell samples, after the chromogenic reaction is terminated, other dyes (commonly used hematoxylin staining solution) can be used for re staining. For the film, after the chromogenic reaction is terminated, it can be dried at room temperature and stored away from light.

Note

1. Rinsing solution can use 1×PBS, 1×PBST and other commonly used washing buffers in immunohistochemistry or membrane chromogenic.
2. Reagent (A): Solution A should be a light yellow to purplish red transparent liquid, and the newly prepared working solution should be colorless or brownish yellow. If the color is too dark or precipitates appear, do not use it. If the prepared working solution has been left for a long time, causing discoloration or sedimentation, please do not use it.
3. It is usually recommended to add 80-100ul DAB Working Solution to each tissue, and 40-50ul DAB Working Solution to each square centimeter of imprinting film. It is that a 60mL Enhanced DAB Chromogenic kit (20×) can be used for staining approximately 600 tissue sections or staining imprinted membranes with an area of 1200 square centimeters.
4. DAB has potential mutagenic effect. For your safety and health, please wear White coat and disposable gloves.
5. If the chromogenic reaction is poor or cannot confirm the reagent quality for long time, can mix diluted secondary antibody incubation solution and DAB Working Solution in a ratio of 1:3, and left to stand for observation. The mixture should turn brownish yellow within 2 minutes and precipitate within 10 minutes.