V02

过氧化物酶强力封闭液

货号：G2850
规格：100mL
保存：2-8℃, 避光保存, 有效期 1 年。

产品介绍：

内源性过氧化物酶广泛存在于一些细胞和组织中，包括血红细胞、肾脏和肝脏组织等。从而导致在 HRP 检测系统进行样品检测时会出现较高的背景，甚至出现假阳性结果。因此，细胞或组织样品等在染色前宜使用适当的过氧化物酶封闭液进行封闭，以消除内源性过氧化物酶的干扰。

索莱宝生产的过氧化物酶强力封闭液的效果显著优于常规的过氧化氢溶液和抑制剂型封闭液，能够充分地降低非特异性的背景染色，同时对特异性着色有一定增强作用。可用于免疫组化(IHC)、免疫细胞化学染色(ICC)以及原位杂交(ISH)时组织或细胞内源性过氧化物酶的封闭，还能应用于酪酰胺荧光多标中的分步掩蔽。

操作步骤：*（仅供参考）*

（一）用于免疫组化(IHC)和免疫细胞化学染色(ICC)：

1．对于进行免疫组化(IHC)和免疫细胞化学染色(ICC)的样品，先使用 P1031-1×PBST 缓冲液或具有细胞膜通透功能的液体洗涤样品 3-5min。
2．吸净洗涤液，滴加适量的过氧化物酶强力封闭液使其完全覆盖样品，室温孵育 5-10min 或者 37℃孵育 2-5min。
3．去除过氧化物酶强力封闭液，用洗涤液或 PBS 等其它适当溶液洗涤样品 2-3 次，每次 2-5 分钟。随后即可进行位点封闭和一抗孵育等后续步骤。

（二）用于原位杂交(ISH)：

1．在进行探针杂交前，滴加适量的过氧化物酶强力封闭液使其完全覆盖样品，室温孵育 5-10min 或者 37℃孵育 2-5min。
2．去除封闭液，用原位杂交的洗涤液洗涤 2-3 次，每次 2-5 分钟。随后即可进行杂交等后续步骤。

注意事项：

1. 本产品已经测试了多种抗体的免疫染色效果，均与常规方法相当或显著改善。
2. 对于使用过氧化物酶检测系统有困难的一些特殊情况，可以考虑尝试使用碱性磷酸酶检测系统。
3. 本产品不含剧毒的甲醇，但还是对人体有刺激性，请注意适当防护。
4. 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
5. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

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Peroxidase Blocking Buffer, Enhanced

Cat: G2850
Size: 100mL
Storage: 2-8℃, avoid light, valid for 1 year.

Introduction

Endogenous peroxidase is widely present in some cells and tissues, including red blood cells, kidneys, and liver tissues. It is prone to high background and even false positive results during HRP detection system coloration. Therefore, it is advisable to use appropriate peroxidase blocking solution for cell or tissue samples before staining to eliminate interference from endogenous peroxidase.

The effectiveness of the peroxidase strong blocking solution produced by Solebao is significantly superior to conventional hydrogen peroxide solution and inhibitor type blocking solution, which can fully reduce non-specific background staining and have a certain enhancement effect on specific staining. It can be used for blocking endogenous peroxidase in tissues or cells during immunohistochemistry (IHC), immunocytochemical staining (ICC), and in situ hybridization (ISH), and can also be used for step-by-step masking in tyramide fluorescence multi labeling.

Protocol(*for reference only*)

For IHC and ICC Sample

1. For samples subjected to IHC and ICC staining, Wash the sample with P1031-1×PBST buffer solution or a liquid with cell membrane permeability function for 3-5 min first.
2. Absorb the washing solution thoroughly, add an appropriate amount of Peroxidase Blocking Buffer, Enhanced dropwise to completely cover the sample, and incubate at room temperature for 5-10 min or 37 ℃ for 2-5 min.
3. Remove the Peroxidase Blocking Buffer, Enhanced, and wash the sample 2-3 times with washing solution or PBS or other appropriate solutions, each time for 2-5 min. Then subsequent steps such as site closure and primary antibody incubation can be carried out.

For ISH Sample

1. Before conducting probe hybridization, add an appropriate amount of Peroxidase Blocking Buffer, Enhanced dropwise to cover the sample, and incubate at room temperature for 5-10 min or 37℃ for 2-5 min.
2. Remove the blocking solution and wash 2-3 times with the washing solution of in situ hybridization, each time for 2-5 min. Subsequently, subsequent steps such as hybridization can be carried out.

Note

1. This product has tested the immunostaining effects of various antibodies, which are equivalent to or significantly improved by conventional methods.
2. For some special situations where it is difficult to use a peroxidase detection system, it is possible to consider using an alkaline phosphatase detection system.
3. This product does not contain highly toxic methanol, but it is still irritating to the human body. Please pay attention to appropriate protection.
4. This product is limited to scientific research by professionals and shall not be used for clinical diagnosis or treatment. It shall not be used for food or medicine, and shall not be stored in ordinary residential areas.
5. For your safety and health, please wear laboratory clothes and disposable gloves for operation.