

**EnVision™ Detection Kit,  
Peroxidase/DAB, Rabbit/Mouse**

FOR RESEARCH USE ONLY.

**Code No:GK500705**

**Storage: Store vial at 2-8°C.**

***Intended Use***

ChemMate™ EnVision™ Detection Kit, Peroxidase/DAB, Rabbit/Mouse, is intended for use in immunocytochemistry together with the TechMate™ and Autostainer Instruments. The kit is employed in a two-step procedure where the first step is incubation of the tissue with an optimally diluted primary rabbit or mouse antibody, and the second step is incubation with the ChemMate™ EnVision™/HRP, Rabbit/Mouse (ENV) reagent of the kit. This reagent is a peroxidase-conjugated polymer, which also carries antibodies to rabbit and mouse immunoglobulins. The reaction is visualized by the ChemMate™ DAB+ Chromogen also included in the kit.

***Reagents Materials provided***

**Bottle A ChemMate™ DAKO EnVision™/HRP, Rabbit/Mouse (ENV)**

5 mL, ready-to-use

Dextran coupled with peroxidase molecules and goat secondary antibody molecules against rabbit and mouse immunoglobulins. In buffered solution containing stabilizing protein and preservative.

**Bottle B ChemMate™ Substrate Buffer**

2\*6.25 mL

Buffered solution containing hydrogen peroxide and preservative.

**Bottle C ChemMate™ DAB+ Chromogen**

1\*0.25mL, 50 x concentrated

3,3'-diaminobenzidine tetrahydrochloride in organic solvent. The colour of this reagent may vary from strong violet to colourless without having any influence on the performance of the kit.

***Precautions :***

1. **Bottle A**, ChemMate™ EnVision™/HRP, Rabbit/Mouse (ENV), contains material of animal origin and it cannot be excluded that trace amounts of human material could be present due to manufacturing procedures. As with any product derived from biological sources, proper handling should be used.
2. Do not expose **Bottle C**, ChemMate™ DAB+ Chromogen or the Substrate Working Solution (CHROM) to strong light.
3. **Bottle C**, ChemMate™ DAB+ Chromogen contains 1.5% 3,3'-diaminobenzidine tetrahydrochloride, and is labelled: Harmful.

**Storage :** Store the kit at 2-8 °C. The prepared Substrate Working Solution (CHROM) should be stored at 2-8 °C and used within 5 days.

**Quality Control :** Each staining run should include a known positive control specimen to ascertain a proper performance of all the applied reagents. If the positive control specimen fails to demonstrate positive staining, labelling of test specimens should be considered invalid. A negative control reagent should be used with each specimen to identify any non-specific staining. If non-specific staining cannot be clearly differentiated from the specific staining, the labelling of the test specimen should be considered invalid.

***Please contact us for more information about this product.***

## 二步法抗兔/鼠通用型免疫组化检测试剂盒

剂型：工作液

编号：GK500705

适用：一抗为兔抗或小鼠抗的免疫组化检测

储存：2-8℃

该试剂盒是一个特别敏感的二步法免疫组化试剂盒，适合与兔抗抗体或小鼠抗抗体配用。其中 ChemMate™EnVision 是标记有辣根过氧化物酶和抗兔及抗小鼠免疫球蛋白的多聚体分子，相当于二抗，它与兔抗或小鼠抗一抗结合。结合后的大分子即标记有辣根过氧化物酶，再与 DAB 反应，得到棕色显色。由于该系统不含生物素和链亲和素，所以不受内源性生物素干扰。染色背景非常清晰。

该系统实验步骤少，省时；操作简单，背景低。

### 试剂盒组分：

A 瓶：ChemMate™EnVision+/HRP，兔/小鼠	1×5ml
B 瓶：DAB 缓冲稀释液	2×6.25ml
C 瓶：DAB 原液	1×0.25ml

### DAB 工作液的配制：

实验前，按每毫升 B 液（DAB 稀释液）中加 1 滴（或 20 微升）C 液（DAB 原液）的浓度配制所需要的用量，混匀后备用。

### 实验步骤：

**常规脱蜡水化：**将石蜡切片浸于二甲苯中 5 分钟，三次。取出切片置于 100% 无水乙醇中 3 分钟两次；依次置入 90%—70% 各级酒精各 3 分钟。取出置于蒸馏水中。

### ChemMate™EnVision+/HRP/DAB，兔/鼠二步法染色：

- 1) 取出蒸馏水中的切片，甩掉并擦干切片上组织周围的液体，平放于湿盒中，滴加过氧化物酶阻断剂（常用 3% 过氧化氢）于组织上避光孵育 15 分钟。蒸馏水冲洗，再将切片置入 TBS 或 PBS 缓冲液中，浸泡 5 分钟，三次。取出切片，甩掉并擦干组织周围的液体（组织切勿干燥），平放于湿盒中。
- 2) 滴加 50—100 微升一抗（兔抗或小鼠抗）工作液于组织上，室温孵育 30 分钟。用 TBS 或 PBS 冲洗切片。将切片置入 TBS 或 PBS 缓冲液中，浸泡 5 分钟，3 次，取出切片，甩掉并擦干组织周围的液体（组织切勿干燥），平放于湿盒中。
- 3) 滴加 50—100 微升 A 液（ChemMate™EnVision+/HRP）于组织上，室温孵育 30 分钟。用 TBS 或 PBS 冲洗切片。将切片置入 TBS 或 PBS 缓冲液中，浸泡 5 分钟，3 次，取出切片，甩掉并擦干组织周围的液体（组织切勿干燥），平放于湿盒中。
- 4) 滴加准备好的显色剂 DAB 工作液 50—100 微升，室温孵育 5-10 分钟，或光镜下控制显色。显色完全后，用蒸馏水冲洗终止显色。
- 5) 需要时，苏木精复染。
- 6) 各级酒精（70%—100%）脱水，每级 3 分钟。取出切片置入二甲苯 5 分钟，三次。
- 7) 用封片胶封片。

该使用说明仅供参考。

生产商：基因科技（上海）有限公司
地址：上海市桂箐路 69 号 25 号楼 6 楼
电话：021-51876181
传真：021-64957610
网址： <a href="http://www.genetech.com.cn">www.genetech.com.cn</a>