（本试剂盒仅供体外研究使用，不用于临床诊断！）

产品货号：GEIR-K001

产品规格：96T*5

Elabscience® ELISA 辅助组分试剂盒使用说明书

Ancillary Reagent Kit

使用前请仔细阅读说明书。如果有任何问题，请通过以下方式联系我们：

电话：027-65384716

邮箱：svipmaster@elabscience.cn

具体保质期请见试剂盒外包装标签。请在保质期内使用试剂盒。

联系时请提供产品批号(见试剂盒标签)，以便我们更高效地为您服务。

用途

该试剂盒包含ELISA实验的全套辅助试剂，用于ELISA试剂盒开发使用。

试剂盒组成及保存

存放于 2-8℃，可稳定保存 12 个月。

名称	规格
高吸附性 ELISA 包被液(5×) ELISA Plate Coating Buffer(5×)	14 mL
即用型 ELISA 封闭液 ELISA Plate Blocking Buffer	100 mL
通用型夹心法 ELISA 洗涤液(25×) Wash Buffer for Sandwich-ELISA(25×)	55 mL
终止液(5×) Stop Solution(5×)	5 mL
即用型 HRP 酶结合物稀释液 HRP-conjugate Diluent	60 mL
即用型生物素化抗体稀释液 Biotinylated Antibody Diluent	60 mL
通用型样品稀释液 Sample Diluent	60 mL
单组份 TMB 显色液 One-component TMB Substrate	50 mL
封板覆膜 Plate Sealer	25 张
产品说明书 Manual	1 份

说明：所有试剂瓶盖须旋紧以防止蒸发和微生物的污染。

试剂体积以实际发货版说明书为准。相关试剂在分装时会比标签上标明的体积稍多一些，请在使用时量取而非直接倒出。

试验所需自备物品

1. 酶标仪(450nm波长滤光片)
2. 高精度移液器，EP管及一次性吸头：0.5-10μL, 2-20μL, 20-200μL, 200-1000μL
3. 37℃恒温箱
4. 双蒸水或去离子水
5. 吸水纸
6. 加样槽

注意事项

1) 该产品可以满足96T*5规格ELISA实验使用，开启包装后，请尽快使用。
2) 高吸附性ELISA包被液(5×)、通用型夹心法ELISA洗涤液(25×)与终止液(5×)需先按照说明稀释成工作液后使用。
3) 每孔使用量以实际需求量为准，推荐使用量仅供参考。
4) 从冰箱中取出的浓缩洗涤液可能有结晶，属于正常现象，可用40℃水浴微加热使结晶完全溶解后再配制洗涤工作液。
5) 终止液主要成分为1M硫酸溶液，有腐蚀性，使用时注意防护。
6) TMB对氧化剂敏感，使用过程中避免污染。
7) 请勿使用过期的试剂。

试剂说明

产品货号	**高吸附性ELISA包被液(5×)**
主要成分	1xCBS
产品描述	本品为5×的浓缩包被液，使用前，用双蒸水稀释5倍即为即用型工作液，用于 ELISA中酶标板的抗原或体 抗原包被，高吸附性，能够显著降低抗原或抗体的包被浓度。
使用方法	使用时取适量本品将待包被抗原或抗体溶液稀释至合适的包被浓度，根据实验需要在ELISA酶标板的每个反应孔中加入适用体积，2-8℃包被过夜。

产品货号	**即用型ELISA封闭液**
主要成分	1xPBS，保护性物质
产品描述	本品为即用型工作液，用于包被后ELISA酶标板的封闭。
使用方法	1.针对已完成抗原或抗体包被的酶标板，向每个孔中添加150-300μL ELISA即用型封闭液进行封闭； 2.继续进行后续的ELISA方案，或将封闭好的酶标板进行干燥处理； 3.将干燥后的ELISA酶标板转移至装有干燥剂的包装袋中，2-8℃密封保存。

产品货号	**通用型夹心法ELISA洗涤液(25×)**
主要成分	3%Tris
产品描述	本品为25×的浓缩储存液，使用前，用去离子水将本产品稀释25倍即为工作液。本品适用于双抗体夹心法体系中酶标板的洗涤。
使用方法	使用时甩尽酶标板孔内液体，每孔加洗涤液约350μL，浸泡1-2分钟，吸去或甩掉酶标板内的液体，在厚的吸水纸上拍干，重复2-5次。

产品货号	**终止液(5×)**
主要成分	5%硫酸
产品描述	本品为5×的浓缩储存液，使用前，用去离子水将本产品稀释5倍即为工作液，用于终止ELISA显色反应。
使用方法	ELISA实验时加底物显色反应适当时间后，每孔加入终止液50μL终止显色，随后使用酶标仪读取OD值。

产品货号	**即用型HRP酶结合物稀释液**
主要成分	1xPBS, 保护性物质
产品描述	本品用于ELISA实验中1×HRP酶结合物工作液制备，能够促进反应并有效减少非特异性吸附。
使用方法	使用本品将浓缩HRP酶结合物稀释至1×工作液进行ELISA实验。

产品货号	**即用型生物素化抗体稀释液**
主要成分	1xPBS, 保护性物质
产品描述	本品用于ELISA实验中1×生物素化抗体工作液制备，能够促进反应并有效减少非特异性吸附。
使用方法	使用本品将浓缩生物素化抗体稀释至1×工作液进行ELISA实验。

产品货号	**通用型样品稀释液（即用型）**
主要成分	1xPBS, 保护性物质
产品描述	本品为通用型1×样品稀释液，可有效减少ELISA实验中样本的基质干扰。
使用方法	使用本品将样本稀释至合适的浓度进行ELISA实验检测。 适用样本类型：血清，血浆，尿液，唾液，组织匀浆，细胞裂解液、细胞培养上清及其他生物液体。

产品货号	**单组份 TMB 显色液**
主要成分	3,3’,5,5’ -四甲基联苯胺
产品描述	单组份TMB显色液为TMB可溶性底物，用于辣根过氧化物酶（HRP）为标记物的ELISA体系。
使用方法	1. 每孔加入 100 μL TMB 溶液。 2. 根据反应体系孵育 5-30 分钟。 3. 每孔加入 50 μL 反应终止液（1N HCl 或 1N H2SO4）终止。 4. 检测波长 450 nm。

声明

1. 限于现有条件及科学技术水平，尚不能对所有原料进行全面的鉴定分析，本产品可能存在一定的质量技术风险。
2. 最终的实验结果与试剂的有效性、实验者的相关操作以及当时的实验环境等因素密切相关，本公司只对试剂盒本身负责，不对因使用试剂盒所造成的样本消耗负责，请使用者使用前充分考虑到样本可能的使用量，预留充足的样本。
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Ancillary Reagent Kit

Catalog No: GEIR-K001
Size: 96T*5

Intended use

This kit contains a full set of ancillary reagents for ELISA kit development.

Kit components & Storage

The kit can be stored at 2-8℃ for **12 months**.

Item	Specifications
ELISA Plate Coating Buffer(5×)	14 mL
ELISA Plate Blocking Buffer	100 mL
Wash Buffer for Sandwich-ELISA(25×)	55 mL
Stop Solution(5×)	5 mL
HRP-conjugate Diluent	60 mL
Biotinylated Antibody Diluent	60 mL
Sample Diluent	60 mL
One-component TMB Substrate	50 mL
Plate Sealer	25 pieces
Product Description	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution. The volume of reagents in partial shipments is a little more than the volume marked on the label, please use accurate measuring equipment instead of directly pouring into the vial(s).

Other supplies required

Microplate reader with 450 nm wavelength filter
High-precision transfer pipette, EP tubes and disposable pipette tips
Incubator capable of maintaining 37℃
Deionized or distilled water
Absorbent paper
Loading slot

Note

1) This kit can meet the requirements of 96T*5 ELISA test, please use as soon as possible after opening the package.
2) ELISA Plate Coating Buffer(5×), Wash Buffer for Sandwich-ELISA(25×) and Stop Solution(5×) should be diluted into working solution according to the instructions before use.
3) The amount of each well is subject to the actual demand, and the recommended amount is for reference only.
4) The Wash Buffer for Sandwich-ELISA(25×) taken from the refrigerator may have crystallization, which is a normal phenomenon. If there is crystal formation in the concentrate, warm it in a 40℃ water bath and mix it gently until the crystals have completely dissolved.
5) The main component of Substrate Reagent is 1M sulfuric acid solution, which is corrosive and should be protected during use.
6) TMB is sensitive to oxidant and can avoid pollution during use.
7) Do not use expired reagents.

Reagent description

Catalog No./Product name	**ELISA Plate Coating Buffer(5×)**
Main Component	1xCBS.
Description	5× coating buffer. For ELISA plate coating with antigen or antibody, can reduce the coating concentration for antigen or antibody significantly.
Method for use	Prepare the 1× working coating buffer with double distilled water. Use the working buffer to dilute the antigen or antibody to an appropriate concentration for coating. Plates were incubated overnight at 2-8℃。 Dosage of coating buffer can be determined by end users depending on their own coating process.

Catalog No./Product name	**ELISA Plate Blocking Buffer**
Main Component	1xPBS, protective substance
Description	Ready to use. For ELISA plate blocking after finishing the coating process.
Method for use	1. After ELISA plate coating process, add 150-300μL blocking buffer to each well for blocking. 2. The blocked plate can be used for further applications. 3. For future use, dry the blocked plate and put them to a bag with desiccant and seal up the bag, keep at 2-8℃.

Catalog No./Product name	**Wash Buffer for Sandwich-ELISA(25×)**
Main Component	3%Tris
Description	25× wash buffer. For washing during ELISA assay. This wash buffer is suitable for sandwich-ELISA.
Method for use	Prepare the 1× working wash buffer with deionized water before use, discard the solution from each micro plate well, then add about 350μL working wash buffer to the wells, soak for 1-2 minutes, aspirate or decant the solution from each well and pat dry against clean absorbent paper.

Catalog No./Product name	**Stop Solution (5×)**
Main Component	5% sulfuric acid
Description	5×stop solulon. To stop the color reaction in ELISA assay.
Method for use	Prepare the 1× stop solulon with deionized water before use. Add about 50 μl to each well for use.

Catalog No./Product name	**HRP-conjugate Diluent**
Main Component	1xPBS, protective substance
Description	Ready to use. Use this diluent for HRP conjugate working solution preparation.
Method for use	Dilute the concentrated HRP conjugate to 1×HRP conjugate working solution by this product for ELISA assay.

Catalog No./Product name	**Biotinylated Antibody Diluent**
Main Component	1xPBS, protective substance
Description	Ready to use. Use this diluent for biotinylated antibody working solution preparation.
Method for use	Dilute the concentrated biotinylated antibody to 1×biotinylated antibody working solution by this product for ELISA assay.

Catalog No./Product name	**Sample Diluent**
Main Component	1xPBS, protective substance
Description	Ready to use. Use this diluent for sample dilutions, can reduce the matrix effect significantly.
Method for use	Dilute tested samples to an appropriate dilution for ELISA assay. Suitable sample types: serum, plasma, urine, saliva, tissue homogenate, cell lysate, cell culture supernatant etc.

Catalog	**One-component TMB Substrate**

No./Product name	
Main Component	3,3',5,5' - tetramethylbenzidine
Description	One component TMB is soluble substrate, which is used in ELISA system of horseradish peroxidase (HRP) as marker
Method for use	1. Add 100 μL of the TMB Substrate Solution to each microplate well. 2. Incubate for 5~30 min according to the reaction system. 3. Stop reaction by adding 50 uL stop solution 4. Measure the absorbance of each well at 450 nm.

Declaration

1. Limited by current conditions and scientific technology, we can't conduct comprehensive identification and analysis on all the raw material provided. So there might be some qualitative and technical risks for users using the kit.
2. The final experimental results will be closely related to the validity of products, operational skills of the operators, the experimental environments and so on. We are only responsible for the kit itself, but not for the samples consumed during the assay. The users should calculate the possible amount of the samples used in the whole test. Please reserve sufficient samples in advance.
3. To get the best results, please only use the reagents supplied by the manufacturer and strictly comply with the instructions.
4. The kit is designed for research use only, we will not be responsible for any issues if the kit is applied in clinical diagnosis or any other related procedures.