

组蛋白修饰：甲基化/乙酰化/磷酸化...定点检测！

组蛋白 H3 & H4 多重修饰，一步检测

筛选并测量：

- ❖ 组蛋白H3, 21种修饰模式, P-3100
- ❖ 组蛋白H4, 10种修饰模式, P-3102



组蛋白H3修饰试剂盒 (P-3100) 的板子布局。(组蛋白H4检测试剂盒布局类似):

	1	2	3	4	5	6	7	8	9	10	11	12
A	Assay control 5 ng	Blank	H3K4me2	H3K9me1	H3K9me3	H3K27me2	H3K36me1	H3K36me3	H3K79me2	H3K9ac	H3K18ac	H3ser10P
B	Assay control 5 ng	Blank	H3K4me2	H3K9me1	H3K9me3	H3K27me2	H3K36me1	H3K36me3	H3K79me2	H3K9ac	H3K18ac	H3ser10P
C	Assay control 25 ng	Blank	H3K4me2	H3K9me1	H3K9me3	H3K27me2	H3K36me1	H3K36me3	H3K79me2	H3K9ac	H3K18ac	H3ser10P
D	Assay control 25 ng	Blank	H3K4me2	H3K9me1	H3K9me3	H3K27me2	H3K36me1	H3K36me3	H3K79me2	H3K9ac	H3K18ac	H3ser10P
E	Total H3	H3K4me1	H3K4me3	H3K9me2	H3K27me1	H3K27me3	H3K36me2	H3K79me1	H3K79me3	H3K14ac	H3K56ac	H3ser28P
F	Total H3	H3K4me1	H3K4me3	H3K9me2	H3K27me1	H3K27me3	H3K36me2	H3K79me1	H3K79me3	H3K14ac	H3K56ac	H3ser28P
G	Total H3	H3K4me1	H3K4me3	H3K9me2	H3K27me1	H3K27me3	H3K36me2	H3K79me1	H3K79me3	H3K14ac	H3K56ac	H3ser28P
H	Total H3	H3K4me1	H3K4me3	H3K9me2	H3K27me1	H3K27me3	H3K36me2	H3K79me1	H3K79me3	H3K14ac	H3K56ac	H3ser28P

EpiQuik™ 组蛋白H3修饰多重分析试剂盒

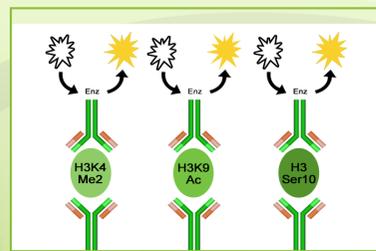
仅需2.5h的简单操作，同时筛选并测量21种不同的组蛋白H3修饰

EpiQuik™ 组蛋白H4修饰多重分析试剂盒

仅需2.5h的简单操作，同时检测并定量几乎所有的组蛋白H4修饰 (10种不同的类型)

EpiQuik™ 循环修饰组蛋白H3多重分析试剂盒

直接从**血浆或血清**中同时检测并定量多达22种不同且特性明确的修饰组蛋白H3模式，整个过程仅需2.5小时



组蛋白H3修饰多重分析试剂盒 (P-3100) 的工作原理

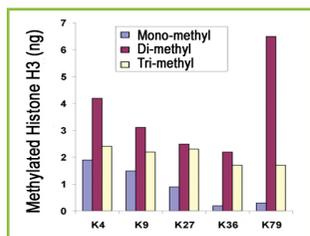
- **极速:** 2.5h完成所有检测
- **便捷:** 无需放射性、电泳、色谱或昂贵设备的比色分析。此外，包含的对照可用于量化每种组蛋白修饰
- **灵敏:** 高灵敏度，每种修饰模式的检测限低至0.5ng/孔，组蛋白提取物的检测范围为20ng至500ng/孔
- **灵活:** 可拆卸的条形板微，支持手动或高通量分析。同一样品中可以分析单个或多个修饰模式。
- **样品量预优化:** 包含两个额外的8孔条，可用于确定输入量以适应检测限。
- **提供对照:** 包含总组蛋白组，可用于标准化总组蛋白水平，以相对比较不同样品或不同处理条件下的组蛋白含量
- **可靠:** 一致的分析条件和卓越的结果

Product Name	Detection Type	Cat. No.
EpiQuik Histone H3 Modification Multiplex Assay Kit	Colorimetric	P-3100
EpiQuik Histone H4 Modification Multiplex Assay Kit	Colorimetric	P-3102
EpiQuik Circulating Modified Histone H3 Multiplex Assay Kit	Colorimetric	P-3106

组蛋白H3, H4 甲基化修饰试剂盒 (特定位点)

EpiGentek 提供了一套类似ELISA的试剂盒, 包括比色和荧光法版本, 用于定量检测特定赖氨酸位点上的H3或H4甲基化修饰:

- 快速简便, 仅需2.5h实验时间
- 提供对照, 使用更便捷
- 无需放射性、电泳或色谱
- 超灵敏, 比色法的检测限低至1至5 ng/孔, 荧光法的检测限低至0.2至1 ng/孔
- 样品量需求低, 从5ng到5µg/孔的组蛋白提取物
- 灵活的可拆卸条形, 适用于手动或高通量
- 简单、可靠且一致的分析条件



使用EpiQuik™ 组蛋白H3 甲基化定量试剂盒系列 (荧光法), 对不同位点上的组蛋白H3单甲基化、二甲基化和三甲基化进行了定量分析

Histone	Methyl Group	Detection Type	Cat. No.
H3K4	Mono-Methyl	Colorimetric	P-3024
H3K4	Mono-Methyl	Fluorometric	P-3025
H3K4	Di-Methyl	Colorimetric	P-3022
H3K4	Di-Methyl	Fluorometric	P-3023
H3K4	Tri-Methyl	Colorimetric	P-3026
H3K4	Tri-Methyl	Fluorometric	P-3027
H3K4	Pan-Methyl	Colorimetric	P-3028
H3K4	Pan-Methyl	Fluorometric	P-3029
H3K9	Mono-Methyl	Colorimetric	P-3030
H3K9	Mono-Methyl	Fluorometric	P-3031
H3K9	Di-Methyl	Colorimetric	P-3032
H3K9	Di-Methyl	Fluorometric	P-3033
H3K9	Tri-Methyl	Colorimetric	P-3034
H3K9	Tri-Methyl	Fluorometric	P-3035
H3K9	Pan-Methyl	Colorimetric	P-3036
H3K9	Pan-Methyl	Fluorometric	P-3037
H3K27	Mono-Methyl	Colorimetric	P-3038
H3K27	Mono-Methyl	Fluorometric	P-3039
H3K27	Di-Methyl	Colorimetric	P-3040
H3K27	Di-Methyl	Fluorometric	P-3041
H3K27	Tri-Methyl	Colorimetric	P-3042
H3K27	Tri-Methyl	Fluorometric	P-3043
H3K27	Pan-Methyl	Colorimetric	P-3044
H3K27	Pan-Methyl	Fluorometric	P-3045
H3K36	Mono-Methyl	Colorimetric	P-3046

Histone	Methyl Group	Detection Type	Cat. No.
H3K36	Mono-Methyl	Fluorometric	P-3047
H3K36	Di-Methyl	Colorimetric	P-3048
H3K36	Di-Methyl	Fluorometric	P-3049
H3K36	Tri-Methyl	Colorimetric	P-3050
H3K36	Tri-Methyl	Fluorometric	P-3051
H3K36	Pan-Methyl	Colorimetric	P-3052
H3K36	Pan-Methyl	Fluorometric	P-3053
H3K79	Mono-Methyl	Colorimetric	P-3054
H3K79	Mono-Methyl	Fluorometric	P-3055
H3K79	Di-Methyl	Colorimetric	P-3056
H3K79	Di-Methyl	Fluorometric	P-3057
H3K79	Tri-Methyl	Colorimetric	P-3058
H3K79	Tri-Methyl	Fluorometric	P-3059
H3K79	Pan-Methyl	Colorimetric	P-3060
H3K79	Pan-Methyl	Fluorometric	P-3061
H4K20	Mono-Methyl	Colorimetric	P-3064
H4K20	Mono-Methyl	Fluorometric	P-3065
H4K20	Di-Methyl	Colorimetric	P-3066
H4K20	Di-Methyl	Fluorometric	P-3067
H4K20	Tri-Methyl	Colorimetric	P-3068
H4K20	Tri-Methyl	Fluorometric	P-3069
H4K20	Pan-Methyl	Colorimetric	P-3070
H4K20	Pan-Methyl	Fluorometric	P-3071

* 还有用于测量总组蛋白H3 (P-3062) 和总组蛋白H4 (P-3072) 的试剂盒

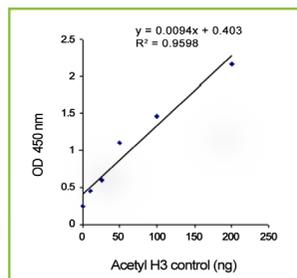
组蛋白H3, H4乙酰化试剂盒 (特定位点)

组蛋白乙酰化, 包括组蛋白H3和H4, 参与调控染色质结构以及将转录因子招募至基因启动子。定量分析乙酰化组蛋白的总水平或特定赖氨酸上的水平, 将有助于阐明基因激活的表观遗传调控, 并有助于开发针对HAT或HDAC的药物。

EpiGentek 提供了一套类似ELISA的试剂盒, 包括比色和荧光法版本, 用于定量检测特定赖氨酸上的H3或H4乙酰化修饰。

- 快速简便, 仅需2.5h实验时间
- 提供对照, 使用更便捷
- 无需放射性、电泳或色谱
- 超灵敏, 比色法监测低至2ng/孔, 荧光法检测低至0.4ng/孔
- 样品量需求低, 从5ng到5µg/孔的组蛋白提取物
- 灵活的可拆卸条形, 适用于手动或高通量
- 简单、可靠且一致的检测条件

* 还有用于测量组蛋白H3整体乙酰化 (P-4008) 和组蛋白H4整体乙酰化 (P-4009) 的试剂盒。



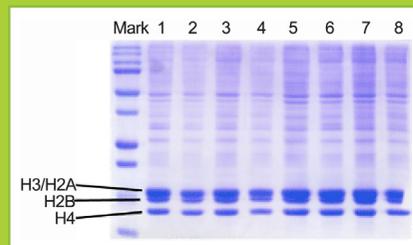
不同浓度下的乙酰化的组蛋白H3对照, 被固定在微孔板孔中, 并使用EpiQuik™ 组蛋白H3整体乙酰化分析试剂盒 (P-4008) 进行检测

Histone	Detection Type	Cat. No.
H3K9	Colorimetric	P-4010
H3K9	Fluorometric	P-4011
H3K14	Colorimetric	P-4012
H3K14	Fluorometric	P-4013
H3K18	Colorimetric	P-4014
H3K18	Fluorometric	P-4015
H3K23	Colorimetric	P-4016
H3K23	Fluorometric	P-4017
H3K27	Colorimetric	P-4059
H3K36	Colorimetric	P-4018
H3K36	Fluorometric	P-4019
H3K56	Colorimetric	P-4020
H3K56	Fluorometric	P-4021
H4K5	Colorimetric	P-4022
H4K5	Fluorometric	P-4023
H4K8	Colorimetric	P-4024
H4K8	Fluorometric	P-4025
H4K12	Colorimetric	P-4028
H4K12	Fluorometric	P-4029
H4K16	Colorimetric	P-4026
H4K16	Fluorometric	P-4027

EpiQuik™ 总组蛋白提取试剂盒 OP-0006

60分钟内从哺乳动物细胞或组织中提取总核心组蛋白 (H2A、H2B、H3和H4)。

提取的组蛋白可以用于EpiGentek的组蛋白修饰分析试剂盒, 或用于组蛋白乙酰化、甲基化、磷酸化和泛素化等多种下游应用。



使用EpiQuik™ 总组蛋白提取试剂盒 (OP-0006) 提取的组蛋白, SDS-PAGE分析。每个通道加入10µg 样品 (1-8)