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Datasheet for ABIN6810502

Histone 3 ELISA Kit

Overview

Quantity:	96 tests
Target:	Histone 3 (H3)
Binding Specificity:	H3K4me3
Reactivity:	Human, Mouse, Rat
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human, Mouse and Rat Methylated-Histone H3 (H3K4me3) ELISA Kit. This ELISA is for measuring Methylated Histone H3 (H3K4me3) in Human, Mouse and Rat Cell Lysates.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes human, mouse and rat Methylated-Histone H3 (H3K4me3).
Characteristics:	<ul style="list-style-type: none">• Rapidly measure hydroxylated protein in lysates• Screen numerous different cell lysates without performing a Western Blot analysis• Minimal hands-on time, convenient, and non-radioactive material
Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Anti-hydroxylated Antibody

Product Details

- HRP-Conjugated Secondary Antibody
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• 100 mL and 1 liter graduated cylinders• Tubes to prepare sample dilutions• Protease and Phosphatase inhibitors• Precision pipettes to deliver 2 μL to 1 mL volumes• Adjustable 1-25 mL pipettes for reagent preparation• Benchtop rocker or shaker• Microplate reader capable of measuring absorbance at 450 nm
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Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3 (H3 Products)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Protocol:	<ol style="list-style-type: none">1. Prepare all reagents and samples as instructed in the manual.2. Add 100 μL of sample or positive control to each well.3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$C.4. Add 100 μL of prepared primary antibody to each well.5. Incubate 1 h at RT.6. Add 100 μL of prepared 1X HRP-Streptavidin to each well.7. Incubate 1 h at RT.8. Add 100 μL of TMB One-Step Substrate Reagent to each well.9. Incubate 30 min at RT.10. Add 50 μL of Stop Solution to each well.11. Read at 450 nm immediately.
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Restrictions:	For Research Use only
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Handling

Storage:	-20 $^{\circ}$ C
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Handling

Storage Comment: Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

Expiry Date: 6 months