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Datasheet for ABIN5690736

Histone 3 ELISA Kit

Overview

Quantity: 96 tests

Target: Histone 3 (H3)

Binding Specificity: acetylated

Reactivity: Human, Mouse

Method Type: Cell ELISA

Application: ELISA

Product Details

Purpose: Human/Mouse Acetylated-Histone H3 Cell-based ELISA Kit. This ELISA is for measuring Acetylated-Histone H3 in human and mouse adherent cell lines.

Sample Type: Adherent Cell Culture

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: The antibody pair provided in this kit recognizes human/mouse Acetylated-Histone H3.

Characteristics:

- Rapidly measure phosphorylated protein in adherent cell lines
- Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)
- No sample lysis is needed
- Compatible with a standard ELISA plate reader

Components:

- Uncoated 96-well Strip Microplate
- Wash Buffers

Product Details

- Fixing Solution
- Quenching Buffer
- Blocking Buffer
- Anti-phospho antibody
- Anti-pan antibody
- HRP-Conjugated Secondary Antibody
- TMB One-Step Substrate
- Stop Solution

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)
Gene ID:	3020, 3021
UniProt:	P84243 , P84244

Application Details

Plate:	Uncoated
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 °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.

Application Details

Restrictions: For Research Use only

Handling

Storage: 4 °C

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