Datasheet for ABIN5690736

Histone 3 ELISA Kit

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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:

- 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

Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3 (H3 Products)
Gene ID:	3020, 3021
UniProt:	P84243, P84244

Application Details

Plate:	Uncoated
Protocol:	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.

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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

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