

Datasheet for ABIN5526708

APP ELISA Kit

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Overview

Quantity:	96 tests
Target:	APP
Binding Specificity:	pSer668, total
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-Caveolin-1 (Tyr14) and Total Caveolin-1 Cell-Based ELISA Cell-Based ELISA Kit. This assay semi-quantitatively measures APP phosphorylated at Threonine-668 as well as total APP in adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human APP phosphorylated at site Threonine-668 as well as total APP.
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

Product Details

Components:	• Uncoated 96-well Strip Microplate • Wash Buffers • Fixing Solution • Quenching Buffer • Blocking Buffer • Anti-phospho antibody • Anti-pan antibody • HRP-Conjugated Secondary Antibody • TMB One-Step Substrate • Stop Solution
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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
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Target Details

Target:	APP
Alternative Name:	APP (APP Products)
Gene ID:	351
UniProt:	P05067
Pathways:	Caspase Cascade in Apoptosis , EGFR Signaling Pathway , Transition Metal Ion Homeostasis , Skeletal Muscle Fiber Development , Toll-Like Receptors Cascades , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
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.

Application Details

- 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.

Restrictions: For Research Use only

Handling

Storage: -20 °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