

Datasheet for ABIN5690737
Caspase 3 ELISA Kit



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Overview

Quantity: 96 tests

Target: Caspase 3 (CASP3)

Reactivity: Human, Mouse

Method Type: Cell ELISA

Application: ELISA

Product Details

Purpose: CASP-3 (D175) Cell-based ELISA Kit. This ELISA is for measuring cleaved CASP-3 (Asp-175) in human 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 cleaved-caspase-3 cleaved at site Aspartic Acid-175

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
- Fixing Solution

Product Details

- 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
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Target Details

Target:	Caspase 3 (CASP3)
Alternative Name:	Caspase-3 (CASP3 Products)
Gene ID:	836
UniProt:	P42574
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Sensory Perception of Sound , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Activated T Cell Proliferation

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.

Application Details

11. Read at 450 nm immediately.

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