

Datasheet for ABIN4889767

Caspase 7 ELISA Kit**3** Images[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	Caspase 7 (CASP7)
Binding Specificity:	Cleaved-Asp198, Uncleaved
Reactivity:	Human, Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human/Mouse CASP-7 (D198) ELISA Kit. This ELISA is for measuring cleaved CASP-7 (Asp-198) as well as CASP-7 in human and mouse 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 cleaved-caspase-7 cleaved at site Aspartic Acid-198 as well as caspase-7.
Characteristics:	<ul style="list-style-type: none">• Simultaneously measure cleaved protein and pan protein in one experiment (for normalization purpose)• 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

Product Details

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

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: Caspase 7 (CASP7)

Alternative Name: Caspase-7 ([CASP7 Products](#))

UniProt: [P55210](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Sample Volume: 100 µL

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.
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.

Application Details

- 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

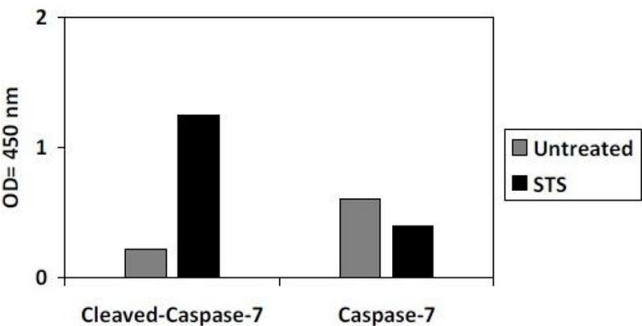
Handling

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.

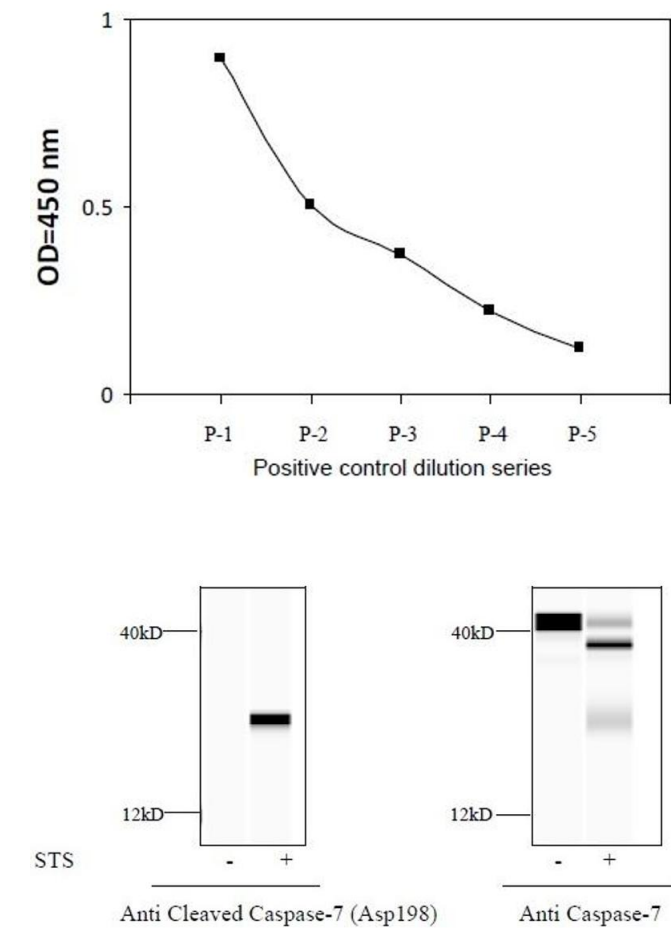
Expiry Date: 6 months

Images



ELISA

Image 1. HeLa cells were treated or untreated with STS. Cell lysates were analyzed using this ELISA and Western Blot.



ELISA

Image 2. HeLa cells were treated with STS. Solubilize cells at 4×10^7 cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.

ELISA

Image 3. HeLa cells were treated or untreated with STS. Cell lysates were analyzed using this ELISA and Western Blot.