

# ELISA Kit for Caspase 7 (CASP7)

## **Catalog No: tcue738**

**Available Sizes** 

#### **Size:** 96T

Specifications

#### **Research Area:**

Enzyme & Kinase; Apoptosis;

## Species Reactivity:

Homo sapiens (Human)

#### Sample Type:

tissue homogenates, cell lysates and other biological fluids

#### Sensitivity:

The minimum detectable dose of this kit is typically less than 0.062ng/mL

#### **Detection Range:**

0.156-10ng/mL

#### Assay Time:

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

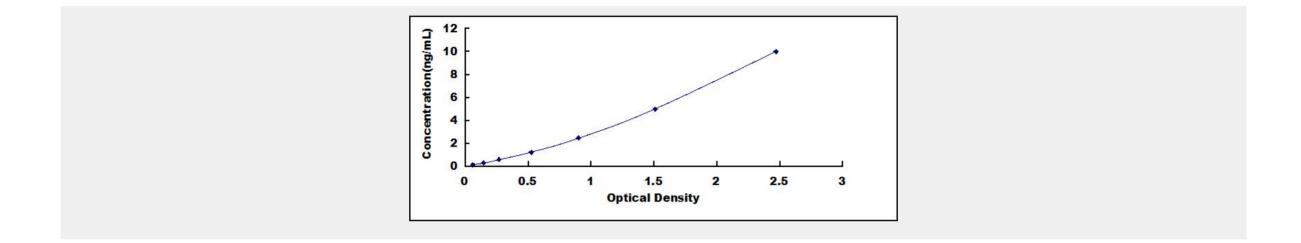
<b>Tested Application:</b>		
ELISA		
SwissProt:		
P55210		

### **Test Principle**

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated



with an antibody specific to Caspase 7 (CASP7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Caspase 7 (CASP7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Caspase 7 (CASP7), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Caspase 7 (CASP7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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