

Human Calpain 1, Large Subunit (CAPN1) ELISA Kit | CAPN1 elisa kit

Human Calpain 1, Large Subunit (CAPN1) ELISA Kit

CATALOG #
AAA66089

REACTIVITY
Human

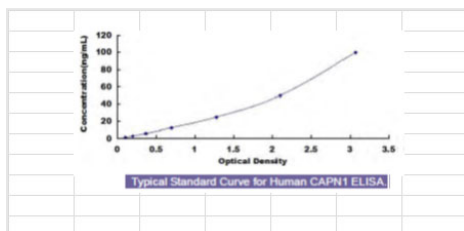
PRODUCT SYNONYMS

Calpain 1; Large Subunit (CAPN1); Human Calpain 1; Large Subunit (CAPN1) ELISA Kit; PIG30 CANPL1 MuCANP MuCL Calpain-1 Catalytic Subunit Calcium-Dependent Protease 1 Calcium-activated neutral proteinase 1 Calpain mu-type Micromolar-calpain; CAPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAPN1. No significant cross-reactivity or interference between CAPN1 and analogues was observed.
Sequence Length	714
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.58ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAPN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CAPN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAPN1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAPN1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAPN1. 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 CAPN1, 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 +/- 10nm. The concentration of CAPN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	311893363
NCBI GeneID	823
NCBI Accession #	NP_001185797.1
NCBI GenBank Nucleotide #	NM_001198868.1
UniProt Accession #	P07384; Q2TTR0; Q6DHV4
Molecular Weight	81,890 Da
NCBI Official Full Name	calpain-1 catalytic subunit
NCBI Official Synonym Full Names	calpain 1
NCBI Official Symbol	CAPN1
NCBI Official Synonym Symbols	CANP; muCL; CANP1; SPG76; CANPL1; muCANP
NCBI Protein Information	calpain-1 catalytic subunit
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANPL1; CANP 1; muCANP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/calpain-1-large-subunit-capn1/66089>