

Mouse Calpain 10 (CAPN10) ELISA Kit | CAPN10 elisa kit

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CATALOG #
AAA65461

REACTIVITY
Mouse

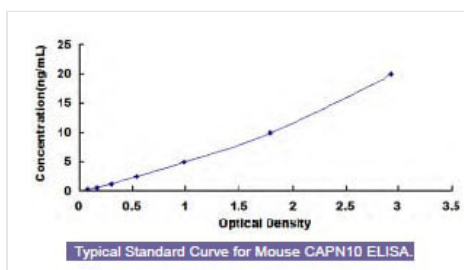
PRODUCT SYNONYMS

Calpain 10 (CAPN10); Mouse Calpain 10 (CAPN10) ELISA Kit; CAPN10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CAPN10. No significant cross-reactivity or interference between CAPN10 and analogues was observed.
Sequence Length	666
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.103ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAPN10 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 CAPN10 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 CAPN10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAPN10 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAPN10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAPN10. 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 CAPN10, 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 CAPN10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	87080823
NCBI GeneID	23830
NCBI Accession #	NP_035926.2
NCBI GenBank Nucleotide #	NM_011796.2
UniProt Accession #	Q9ESK3; Q99J13; Q9WVF0
Molecular Weight	74,596 Da
NCBI Official Full Name	calpain-10
NCBI Official Synonym Full Names	calpain 10
NCBI Official Symbol	Capn10
NCBI Official Synonym Symbols	Capn8; AW049679; mKIAA1845
NCBI Protein Information	calpain-10
UniProt Protein Name	Calpain-10
UniProt Gene Name	Capn10
UniProt Synonym Gene Names	Capn8; CANP 10

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/calpain-10-capn10/65461>