

Pig Calpain-1 catalytic subunit ELISA Kit | CAPN1 elisa kit

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CATALOG #
AAA192363

REACTIVITY
Pig

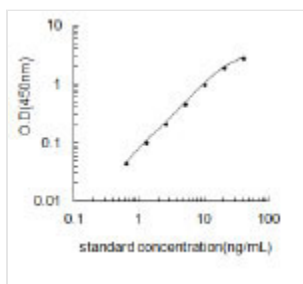
PRODUCT SYNONYMS

Calpain-1 catalytic subunit; Pig Calpain-1 catalytic subunit ELISA Kit; Calcium-activated neutral proteinase 1; CANP 1; Calpain mu-type; Calpain-1 large subunit; Micromolar-calpain; muCANP; CAPN1; 3.4.22.52; CAPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	Recombinant and natural Pig Calpain-1 catalytic subunit
Sequence Length	714
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.625-40 ng/mL
Sensitivity	< 0.31 ng/mL
Intra-assay Precision	Intra-Assay CV: <=4.1%
Inter-assay Precision	Inter-Assay CV: <=8.9%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	545806385
NCBI GeneID	397027
NCBI Accession #	XP_005660758.1
NCBI GenBank Nucleotide #	XM_005660701.2
UniProt Accession #	P35750; Q29600; Q9N0M6
Molecular Weight	81,739 Da
NCBI Official Full Name	calpain-1 catalytic subunit isoform X1
NCBI Official Symbol	CAPN1
NCBI Protein Information	calpain-1 catalytic subunit
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANP 1; muCANP
UniProt Entry Name	CAN1_PIG

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/capn1-pig-elisa-kits/calpain-1-catalytic-subunit/192363>