

Human Calpain-2 catalytic subunit ELISA Kit | CAPN2 elisa kit

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CATALOG #
AAA102471

REACTIVITY
Human

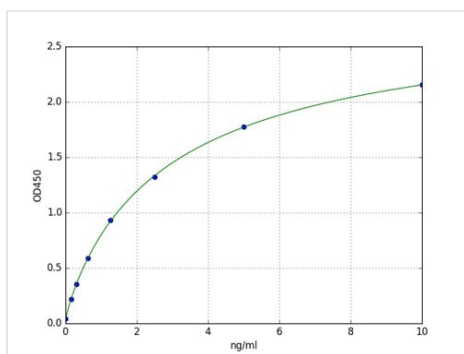
PRODUCT SYNONYMS

Calpain-2 catalytic subunit; Human Calpain-2 catalytic subunit ELISA Kit; CAPN2/Millimolar-calpain/M-calpain/Calpain-2 large subunit/Calpain large polypeptide L2/Calcium-activated neutral proteinase 2/CANP 2/Calpain M-type; CAPN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	622
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human CAPN2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.004	0.115	0.215	0.384	0.665	1.124	1.484	2.083

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CAPN2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CAPN2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CAPN2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CAPN2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225703100
NCBI GeneID	824
NCBI Accession #	NP_001139540.1
NCBI GenBank Nucleotide #	NM_001146068.1
Molecular Weight	71,476 Da
NCBI Official Full Name	calpain-2 catalytic subunit isoform 2
NCBI Official Synonym Full Names	calpain 2
NCBI Official Symbol	CAPN2
NCBI Official Synonym Symbols	CANP2; mCANP; CANPL2; CANPml
NCBI Protein Information	calpain-2 catalytic subunit
UniProt Protein Name	Calpain-2 catalytic subunit
UniProt Gene Name	CAPN2
UniProt Synonym Gene Names	CANPL2; CANP 2; M-calpain
UniProt Entry Name	CAN2_HUMAN

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/capn2-human-elisa-kits/calpain-2-catalytic-subunit/102471>