

Human Calponin-1 ELISA Kit | CNN1 elisa kit

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CATALOG #
AAA99590

REACTIVITY
Human

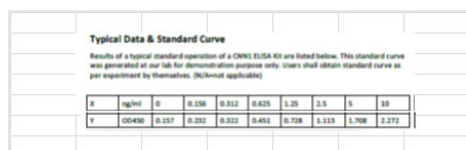
PRODUCT SYNONYMS

Calponin-1; Human Calponin-1 ELISA Kit; CNN1 (Calponin-1)/Calponin H1/Sm-Calp/SMCC/Basic calponin/calponin 1; basic; smooth muscle/Calponin H1; smooth muscle/calponins; CNN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CNN1 . No significant cross-reactivity or interference between CNN1 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between CNN1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	247
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
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CNN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CNN1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for CNN1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CNN1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CNN1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 CNN1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CNN1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	816197652
NCBI GeneID	1264
NCBI Accession #	NP_001295271.1
NCBI GenBank Nucleotide #	NM_001308342.1
Molecular Weight	31,055 Da
NCBI Official Full Name	calponin-1 isoform 2
NCBI Official Synonym Full Names	calponin 1
NCBI Official Symbol	CNN1
NCBI Official Synonym Symbols	SMCC; Sm-Calp; HEL-S-14
NCBI Protein Information	calponin-1
UniProt Protein Name	Calponin-1
UniProt Gene Name	CNN1
UniProt Entry Name	CNN1_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/cnn1-human-elisa-kits/calponin-1/99590>