

Human Calponin 1 (CNN1) ELISA Kit | CNN1 elisa kit

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CATALOG #
AAA245272

REACTIVITY
Human

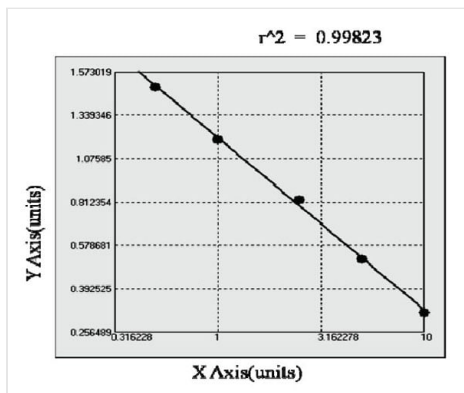
PRODUCT SYNONYMS

Calponin 1 (CNN1); Human Calponin 1 (CNN1) ELISA Kit; CNN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/ml
Sensitivity	0.1ng/mL
Intended Uses	This CNN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CNN1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNN1 elisa kit

Principle of the assay: CNN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNN1 antibody and an CNN1-HRP conjugate. The assay sample and buffer are incubated together with CNN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNN1 concentration since CNN1 from samples and CNN1-HRP conjugate compete for the anti-CNN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNN1 from the sample, fewer sites are left to bind CNN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNN1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2829431
NCBI GeneID	1264
Molecular Weight	33,170 Da
NCBI Official Full Name	Calponin-1
NCBI Official Synonym Full Names	calponin 1, basic, smooth muscle
NCBI Official Symbol	CNN1
NCBI Official Synonym Symbols	SMCC; Sm-Calp; HEL-S-14
NCBI Protein Information	calponin-1; basic calponin; calponins, basic; calponin H1, smooth muscle; epididymis secretory protein Li 14
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/human-elisa-kits/calponin-1-cnn1/245272>