

Mouse Calponin-1 (CNN1) ELISA Kit | CNN1 elisa kit

Mouse Calponin-1 (CNN1) ELISA Kit

CATALOG #
AAA245066

REACTIVITY
Mouse

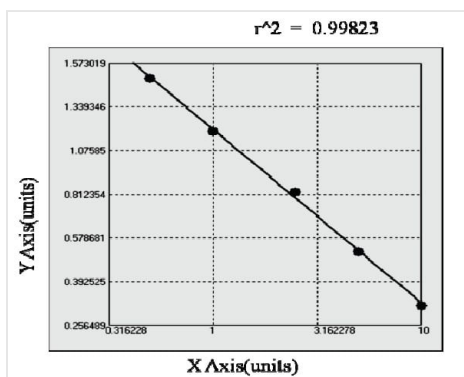
PRODUCT SYNONYMS

Calponin-1 (CNN1); Mouse Calponin-1 (CNN1) ELISA Kit; CNN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CNN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 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.

Product Categories/Family for CNN1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361120
NCBI GeneID	1264
NCBI Accession #	NP_001290.2
NCBI GenBank Nucleotide #	NM_001299.4
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/calponin-1-cnn1/245066>