

Human Calponin-1 ELISA Kit | CNN1 elisa kit

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CATALOG #
AAA56841

REACTIVITY
Human

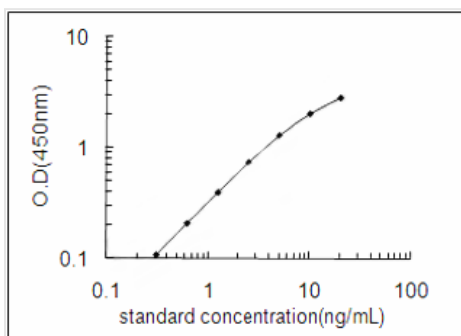
PRODUCT SYNONYMS

Calponin-1; Human Calponin-1 ELISA Kit; Basic calponin; Calponin H1; smooth muscle; CNN1; CNN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Calponin-1. No significant cross-reactivity or interference was observed.
Sequence Length	297
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.078ng/mL
Intra-Assay CV	<=4.7%
Inter-Assay CV	<=9.3%
Recovery	104%
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 CNN1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Calponin-1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Calponin-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Calponin-1 and 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 Calponin-1, 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 Calponin-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361120
NCBI GeneID	1264
NCBI Accession #	NP_001290.2
NCBI GenBank Nucleotide #	NM_001299.5
UniProt Accession #	P51911; O00638; Q15416; Q8IY93; Q99438; B2R868; B4DUX6
Molecular Weight	31,055 Da
NCBI Official Full Name	calponin-1 isoform 1
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.