

Human Caldesmon ELISA Kit | CALD elisa kit

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CATALOG #
AAA102154

REACTIVITY
Human

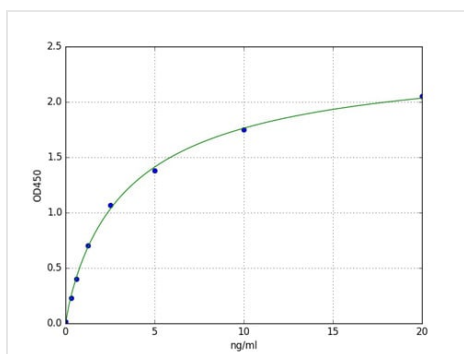
PRODUCT SYNONYMS

Caldesmon; Human Caldesmon ELISA Kit; CALD/CDM/H-CAD/HCAD/L-CAD/LCAD/NAG22/CALD1/HCAD/ CAD/caldesmon/caldesmon 1/CDMH-CAD/MGC21352; CALD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	793
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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 CALD 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	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.021	0.102	0.169	0.296	0.534	0.826	1.317	1.877

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CALD elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CALD antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CALD 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 CALD amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CALD can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	180195
NCBI GeneID	800
Molecular Weight	65,620 Da
NCBI Official Full Name	caldesmon
NCBI Official Synonym Full Names	caldesmon 1
NCBI Official Symbol	CALD1
NCBI Official Synonym Symbols	CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22
NCBI Protein Information	caldesmon
UniProt Protein Name	Caldesmon
UniProt Gene Name	CALD1
UniProt Synonym Gene Names	CAD; CDM; CDM
UniProt Entry Name	CALD1_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/cald-human-elisa-kits/caldesmon/102154>