

Mouse Ankyrin Repeat Domain Protein 1 (ANKRD1) ELISA Kit | ANKRD1 elisa kit

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CATALOG #
AAA65005

REACTIVITY
Mouse

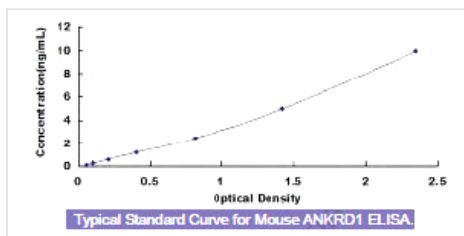
PRODUCT SYNONYMS

Ankyrin Repeat Domain Protein 1 (ANKRD1); Mouse Ankyrin Repeat Domain Protein 1 (ANKRD1) ELISA Kit; CARP; ALRP; C-193; CVARP; MCARP; Ankyrin Repeat Domain 1(Cardiac Muscle); Cardiac ankyrin repeat protein; Cytokine-inducible gene C-193; Cytokine-inducible nuclear protein; ANKRD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ANKRD1. No significant cross-reactivity or interference between ANKRD1 and analogues was observed.
Sequence Length	319
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANKRD1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ANKRD1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANKRD1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ANKRD1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ANKRD1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ANKRD1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ANKRD1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ANKRD1 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 #	31560506
NCBI GeneID	107765
NCBI Accession #	NP_038496.2
NCBI GenBank Nucleotide #	NM_013468.3
UniProt Accession #	Q9CR42; O55014; Q3UIF7; Q3UJ39; Q792Q9
Molecular Weight	36,004 Da
NCBI Official Full Name	ankyrin repeat domain-containing protein 1
NCBI Official Synonym Full Names	ankyrin repeat domain 1 (cardiac muscle)
NCBI Official Symbol	Ankrd1
NCBI Official Synonym Symbols	Alrp; CARP; Crap; MARP1
NCBI Protein Information	ankyrin repeat domain-containing protein 1
UniProt Protein Name	Ankyrin repeat domain-containing protein 1
UniProt Gene Name	Ankrd1
UniProt Synonym Gene Names	Carp

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/mouse-elisa-kits/ankyrin-repeat-domain-protein-1-ankrd1/65005>