

Human Cerebral Dopamine Neurotrophic Factor (CDNF) ELISA Kit | CDFN elisa kit

Human Cerebral Dopamine Neurotrophic Factor (CDNF) Mini Samples ELISA Kit

CATALOG #
AAA149165

REACTIVITY
Human

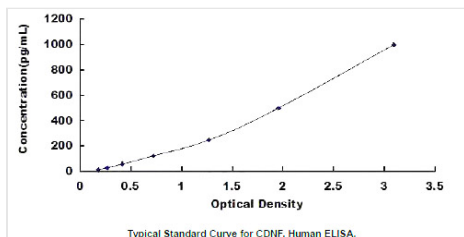
PRODUCT SYNONYMS

Cerebral Dopamine Neurotrophic Factor (CDNF); Human Cerebral Dopamine Neurotrophic Factor (CDNF) Mini Samples ELISA Kit; ARMETL1; ARMET-like protein 1; Conserved Dopamine Neurotrophic Factor; Arginine-Rich; Mutated In Early Stage Tumors-Like 1; CDFN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CDKN1A. No significant cross-reactivity or interference between CDKN1A and analogues was observed.
Sequence Length	187
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDKN1A 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 CDKN1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDNF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDKN1A in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CDKN1A. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CDKN1A. 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 CDKN1A, 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 CDKN1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CDNF elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	82880674
NCBI GeneID	441549
NCBI Accession #	NP_001025125.2
NCBI GenBank Nucleotide #	NM_001029954.3
UniProt Accession #	Q49AH0; A2RUU0; B4DVW3
Molecular Weight	9,806 Da
NCBI Official Full Name	cerebral dopamine neurotrophic factor
NCBI Official Synonym Full Names	cerebral dopamine neurotrophic factor
NCBI Official Symbol	CDNF
NCBI Official Synonym Symbols	ARMETL1
NCBI Protein Information	cerebral dopamine neurotrophic factor
UniProt Protein Name	Cerebral dopamine neurotrophic factor
UniProt Gene Name	CDNF
UniProt Synonym Gene Names	ARMETL1

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://www.aaabiotech.com/human-elisa-kits/cerebral-dopamine-neurotrophic-factor-cdnf/149165>