

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

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CATALOG #
AAA65692

REACTIVITY
Rat

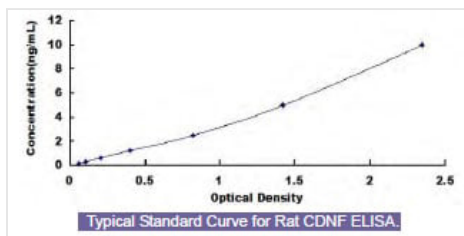
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CDNF. No significant cross-reactivity or interference between CDNF and analogues was observed.
Sequence Length	187
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.067ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDNF 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 CDNF 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 CDNF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDNF in rat serum, plasma, 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 CDNF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CDNF. 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 CDNF, 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 CDNF 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 #	82830401
NCBI GeneID	361276
NCBI Accession #	NP_001032632.1
NCBI GenBank Nucleotide #	NM_001037543.1
UniProt Accession #	P0C5I0
Molecular Weight	21,361 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://stage.aaabiotech.com/rat-elisa-kits/cerebral-dopamine-neurotrophic-factor-cdnf/65692>