

Mouse CES3 ELISA Kit | CES3 elisa kit

Mouse CES3 PicoKine ELISA Kit

CATALOG #
AAA125058

REACTIVITY
Mouse

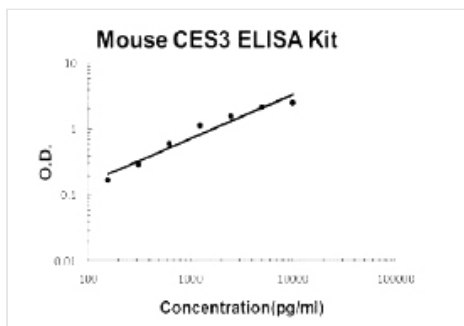
PRODUCT SYNONYMS

CES3; Mouse CES3 PicoKine ELISA Kit; Mouse CES3; CES3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cdnf
Sequence Length	571
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CES3 elisa kit	Principle of the Assay: The Picokine Mouse Cdnf Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cdnf with a 96-well strip plate that is pre-coated with antibody specific for Cdnf. The detection antibody is a biotinylated antibody specific for Cdnf. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Cdnf with immunogen: Expression system for standard: E.coli, Immunogen sequence: Q25-L187. The kit is analytically validated with ready to use reagents. To measure Mouse Cdnf, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Mouse Cdnf in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cdnf in the sample!!Background/Introduction: Cerebral dopamine neurotrophic factor also known as ARMET-like protein 1 or is a protein that in humans that is encoded by the CDNF gene. CDNF and MANF are secreted proteins with 8 conserved cysteine residues, which predict a unique protein fold and define an evolutionarily conserved protein family. The human CDNF mRNA encodes a 187-amino acid protein with a predicted signal peptide and apparently no prosequence. The predicted secondary structure, like that of MANF, is dominated by alpha-helices. Human CDNF shares 59% amino acid identity with human MANF, and 49% and 46% identity with D. melanogaster and C. elegans Manf proteins, respectively. RT-PCR of mouse brain detected Cdnf transcripts in embryonic and postnatal stages, and in adult brain regions, including the striatum. In the midbrain, Cdnf mRNA was expressed from embryonic stages to the adult. High levels of Cdnf mRNA were observed in adult mouse heart, skeletal muscle, and testis. In agreement with the results from mouse, wide expression of CDNF transcripts was detected in human brain and nonneuronal tissues. Interestingly, levels of CDNF transcripts were relatively high in the corpus callosum and optic nerve, which are devoid of neuronal cell bodies and contain mostly axonal projections and oligodendrocytes. At postnatal stage P10 of the mouse brain, Cdnf staining was most intense in the hippocampus and thalamus. Cdnf signal was also detected in striatum and substantia nigra.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33563374
NCBI GeneID	23491
NCBI Accession #	NP_079198.2
NCBI GenBank Nucleotide #	NM_024922.6
UniProt Accession #	Q6UWW8
NCBI Official Full Name	carboxylesterase 3 isoform 1
NCBI Official Synonym Full Names	carboxylesterase 3
NCBI Official Symbol	CES3
NCBI Official Synonym Symbols	ES31
NCBI Protein Information	carboxylesterase 3

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/ces3/125058>