

Mouse, Rat DCC ELISA Kit | DCC elisa kit

Mouse/Rat DCC ELISA Kit PicoKine

CATALOG # AAA126730	REACTIVITY Mouse, Rat	APPLICATIONS ELISA
-------------------------------	---------------------------------	------------------------------

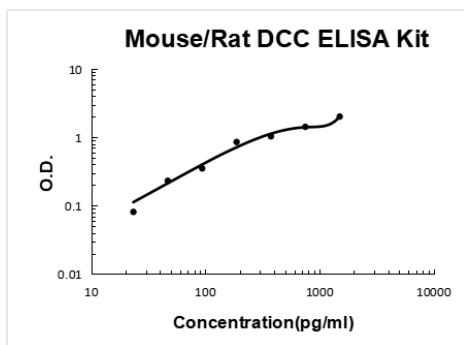
PRODUCT SYNONYMS

DCC; Mouse/Rat DCC ELISA Kit PicoKine; DCC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat
Specificity	Natural and recombinant Mouse, Rat Dcc
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	23.4 pg/ml - 1,500 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for DCC elisa kit	ELISA
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 across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Mouse/Rat DCC PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DCC elisa kit	Background: Netrin receptor DCC, also known as DCC, or colorectal cancer suppressor is a protein which in humans is encoded by the DCC gene. Predicted to enable identical protein binding activity; netrin receptor activity; and transcription coactivator activity. Involved in postsynaptic modulation of chemical synaptic transmission. Acts upstream of or within generation of neurons. Located in axon. Is integral component of postsynaptic density membrane. Is active in Schaffer collateral - CA1 synapse. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; lung; and retina. Human ortholog(s) of this gene implicated in colorectal cancer; congenital mirror movement disorder; esophageal cancer; and esophagus squamous cell carcinoma. Orthologous to human DCC (DCC netrin 1 receptor). Principle of the Assay: The Picokine™ Mouse, Rat Dcc Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse, Rat Dcc with a 96-well strip plate that is pre-coated with antibody specific for Dcc. The detection antibody is a biotinylated antibody specific for Dcc. The capture antibody is a monoclonal antibody from rat/mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse, Rat Dcc protein as standards. To measure Mouse, Rat Dcc, 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse, Rat Dcc in the sample. Read the absorbance 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, Rat Dcc in the sample.
Product Categories/Family for DCC elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	117168295
NCBI GeneID	13176
NCBI Accession #	NP_031857.2
NCBI GenBank Nucleotide #	NM_007831.3
UniProt Accession #	P70211; Q63155
Molecular Weight	158,341 Da
NCBI Official Full Name	netrin receptor DCC
NCBI Official Synonym Full Names	deleted in colorectal carcinoma
NCBI Official Symbol	Dcc
NCBI Official Synonym Symbols	Igdcc1; C030036D22Rik
NCBI Protein Information	netrin receptor DCC; tumor suppressor protein DCC
UniProt Protein Name	Netrin receptor DCC
UniProt Gene Name	Dcc
UniProt Entry Name	DCC_MOUSE

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.