

ARG83268 Mouse / Rat DCC ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83268 Mouse / Rat DCC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse / Rat DCC in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Ms, Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	DCC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	23.4 pg/ml - 1,500 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 5.1%
Alternate Names	Tumor suppressor protein DCC; Immunoglobulin superfamily DCC subclass member 1; CRC18; NTN1R1; MRMV1; Colorectal cancer suppressor; IGDC1; CRCR1; Netrin receptor DCC

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

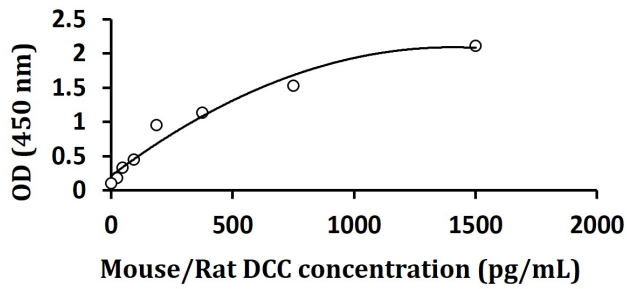
Bioinformation

Gene Symbol	DCC
Gene Full Name	DCC netrin 1 receptor
Background	This gene encodes a netrin 1 receptor. The transmembrane protein is a member of the immunoglobulin superfamily of cell adhesion molecules, and mediates axon guidance of neuronal growth cones towards sources of netrin 1 ligand. The cytoplasmic tail interacts with the tyrosine kinases Src and focal adhesion kinase (FAK, also known as PTK2) to mediate axon attraction. The protein partially localizes to lipid rafts, and induces apoptosis in the absence of ligand. The protein functions as a tumor suppressor, and is frequently mutated or downregulated in colorectal cancer and esophageal carcinoma. [provided

by RefSeq, Oct 2009]

Function	Receptor for netrin required for axon guidance. Mediates axon attraction of neuronal growth cones in the developing nervous system upon ligand binding. Its association with UNC5 proteins may trigger signaling for axon repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Implicated as a tumor suppressor gene. [UniProt]
PTM	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG83268 Mouse / Rat DCC ELISA Kit standard curve image

ARG83268 Mouse / Rat DCC ELISA Kit results of a typical standard run with optical density reading at 450 nm.