Human Sister chromatid cohesion protein DCC1 (DSCC1) ELISA Kit

Catalog No: #EK10530

Package Size: #EK10530-1 48T #EK10530-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Sister chromatid cohesion protein DCC1 (DSCC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DCC1; MGC5528; defective in sister chromatid cohesion 1
Accession No.	Q9BVC3
Uniprot	Q9BVC3
GeneID	79075;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.156 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DSCC1 in samples. An antibody specific for DSCC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDSCC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DSCC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DSCC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:RCAN1 interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. The predicted 171-amino acid protein contains 2 proline-rich regions, a putative DNA-binding domain, and an acidic region. Northern blot analysis revealed that the 2.2-kb DSCR1 transcript is expressed at the highest levels in fetal brain and adult heart and at lower levels in various other tissues. An additional 2-kb mRNA was detected in fetal and adult liver.

Note: This product is for in vitro research use only