Rat Deleted in lung and esophageal cancer protein 1 (DLEC1) ELISA Kit

Catalog No: #EK10632

Package Size: #EK10632-1 48T #EK10632-2 96T

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

Description

Product Name	Rat Deleted in lung and esophageal cancer protein 1 (DLEC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	DLC1; F56; deleted in lung cancer 1
Accession No.	Q68FQ8
Uniprot	Q68FQ8
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:Request Information

Sensitivity:Request Information

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 DLEC1 in samples. An antibody specific for DLEC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLEC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLEC1 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 DLEC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DLC1 contains 37 exons and spans approximately 59 kb. The predicted DLC1 protein contains 1,755 amino acids. Expression of DLC1 significantly suppressed the growth of 4 different cancer cell lines. Northern blot analysis revealed that DLC1 was expressed as 6- and 8-kb mRNAs in all tissues tested, most abundantly in prostate and testis. the 8-kb mRNA and several other alternatively spliced DLC1 transcripts contain disrupted coding regions and are likely to encode nonfunctional proteins. RT-PCR experiments indicated that 33% of primary lung, esophageal, and renal cancers and cancer cell lines tested either lacked DLC1 transcripts entirely or contained increased levels of nonfunctional DLC1 mRNA. The authors concluded that aberrant transcription of DLC1 may be involved in carcinogenesis of the lung, esophagus, and kidney.

Note: This product is for in vitro research use only