Human LAG1 longevity assurance homolog 2 (LASS2) ELISA Kit

Catalog No: #EK10151

Package Size: #EK10151-1 48T #EK10151-2 96T

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

Description

Product Name	Human LAG1 longevity assurance homolog 2 (LASS2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CerS2; FLJ10243; L3; MGC987; SP260; TMSG1; LAG1 longevity assurance 2|ceramide synthase 2|longevity assurance (LAG1; S. cerevisiae) homolog 2|tumor metastasis-suppressor
Accession No.	Q96G23
Uniprot	Q96G23
GeneID	29956;
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:0.156-10 ng/mL

Sensitivity:0.058 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 LASS2 in samples. An antibody specific for LASS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLASS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LASS2 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 LASS2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:LASS2 has sequence similarity to yeast longevity assurance gene 1. Mutation or overexpression of the related gene in yeast has been shown to alter yeast lifespan. The human protein may play a role in the regulation of cell growth. Alternatively spliced transcript variants encoding the same protein have been described.

The deduced 230-amino acid protein is 29% identical to LASS1 over 224 amino acids. It has 4 transmembrane helices (2 fewer than most Lag1 homologs), a Lag1 motif, and a C-terminal acidic domain. Northern blot analysis revealed expression of a 2.4-kb transcript in kidney and liver, with lower levels in brain, heart, placenta, and lung.Expression of LASS2 in hepatocellular carcinoma cell lines led to suppression of cancer cell growth.

Note: This product is for in vitro research use only