

Human LAG1 longevity assurance homolog 6 (LASS6) ELISA Kit



Catalog No: #EK10150

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

Package Size: #EK10150-1 48T #EK10150-2 96T

Description

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|--------------------|--|
| Product Name | Human LAG1 longevity assurance homolog 6 (LASS6) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | CerS6; MGC129949; MGC129950; LAG1 longevity assurance homolog 6 longevity assurance homolog 6 |
| Accession No. | Q6ZMG9 |
| Uniprot | Q6ZMG9 |
| GeneID | 253782; |
| Storage | <p>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.</p> <p>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).</p> |

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 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 LASS6 in samples. An antibody specific for LASS6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLASS6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LASS6 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 LASS6 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Longevity assurance genes (LAGs) represent a subgroup of the homeobox gene family. Like other LAG family members, the LASS6 protein contained a homeodomain and LAG1 domain. In phylogenetic analyses, it displayed highest homology to LASS5. The corresponding gene was localized to human chromosome 2q24.3, spanning a rather large genomic region of 318 kb. Orthologous sequences in mouse and zebrafish suggested a conservation of LASS6 in vertebrates as the protein and corresponding genomic sequences were highly conserved. LASS6 expression was analyzed in silico, and the gene was shown to be broadly expressed in a wide range of tissues. Furthermore, available microarray data suggested a role in cancer differentiation and early embryonic development.

Note: This product is for in vitro research use only