Human Late cornified envelope protein 3B (LCE3B) ELISA Kit

Catalog No: #EK10144

Package Size: #EK10144-1 48T #EK10144-2 96T

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

Description

Product Name	Human Late cornified envelope protein 3B (LCE3B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LEP14; late envelope protein 14
Accession No.	Q5TA77
Uniprot	Q5TA77
GeneID	353143;
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:25-1600 pg/mL

Sensitivity:6.25 pg/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 LCE3B in samples. An antibody specific for LCE3B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLCE3B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LCE3B 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 LCE3B bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:By database analysis to identify human orthologs of mouse genes encoding late envelope proteins (LEPs), Marshall et al. (2001) identified LCE3B, which they called LEP14. RT-PCR detected strong LEP14 expression in human esophagus, but not in skin or heart.Using real-time PCR, Jackson et al. (2005) detected little to no LCE3B expression in human skin or internal epithelia. Jackson et al. (2005) determined that the LCE3B gene contains 2 exons. Exon 1 is noncoding.By genomic sequence analysis, Marshall et al. (2001) mapped the LCE3B gene within the LCE gene cluster on chromosome 1q21. Jackson et al. (2005) stated that the mouse Lce3b gene maps to a syntenic LCE gene cluster on chromosome 3F1.

Note: This product is for in vitro research use only