

Human LIM and SH3 domain protein 1 (LASP1) ELISA Kit

Catalog No: #EK10152

Package Size: #EK10152-1 48T #EK10152-2 96T

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Description

Product Name	Human LIM and SH3 domain protein 1 (LASP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	Lasp-1; MLN50;
Accession No.	Q14847
Uniprot	Q14847
GeneID	3927;
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:0.065 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 LASP1 in samples. An antibody specific for LASP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLASP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LASP1 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 LASP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:LASP1 encodes a member of a LIM protein subfamily which is characterized by a LIM motif and a domain of Src homology region 3. This protein functions as an actin-binding protein and possibly in cytoskeletal organization. In breast cancer cell lines, overexpression of the 4 kb MLN50 mRNA was correlated with amplification of the gene and with amplification and overexpression of ERBB2, which maps to the same region. The authors suggested that the 2 genes belong to the same amplicon. Amplification of chromosomal region 17q11-q21 is one of the most common events occurring in human breast cancers.Northern blot analysis revealed that LASP1 mRNA was expressed at a basal level in all normal tissues examined and overexpressed in 8% of primary breast cancers.

Note: This product is for in vitro research use only