

Human Plasmalemma vesicle-associated protein (PLVAP) ELISA Kit

Catalog No: #EK11460

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Package Size: #EK11460-1 48T #EK11460-2 96T

Description

Product Name	Human Plasmalemma vesicle-associated protein (PLVAP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FELS; PV-1; PV1; gp68; fenestrated-endothelial linked structure protein; PV-1 protein
Accession No.	Q9BX97
Uniprot	Q9BX97
GeneID	83483;
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: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 PLVAP in samples. An antibody specific for PLVAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLVAP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLVAP 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 PLVAP bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:PLVAP is a type II integral membrane protein with a short N-terminal cytoplasmic tail, a single-span transmembrane domain, and a large C-terminal extracellular domain consisting mostly of alpha helices. It also contains 2 coiled-coil domains predicted to contribute to dimer formation. The extracellular domain has 4 N-glycosylation sites, a proline-rich region, and regular spacing of cysteine residues. The deduced 439-amino acid mouse Plvap protein contains a consensus casein kinase II phosphorylation site that is not found in the human protein. Rat Plvap contains 2 casein kinase II phosphorylation sites. Northern blot analysis revealed a single PLVAP transcript of about 2.4 kb in pancreas, kidney, placenta, muscle, lung, heart, and liver. No signal was detected in brain or testis.

Note: This product is for in vitro research use only