

Mouse Seizure 6-like protein 2 (SEZ6L2) ELISA Kit

Catalog No: #EK7360



Package Size: #EK7360-1 48T #EK7360-2 96T

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Description

Product Name	Mouse Seizure 6-like protein 2 (SEZ6L2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ90517; PSK-1; type I transmembrane receptor (seizure related protein) type I transmembrane receptor (seizure-related protein)
Accession No.	Q4V9Z5
Uniprot	Q4V9Z5
GenID	233878;
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:15.6-1000 pg/mL

Sensitivity:7.8 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 SEZ6L2 in samples. An antibody specific for SEZ6L2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySEZ6L2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEZ6L2 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 SEZ6L2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SEZ6L2was chosen as a candidate for such molecule. Expression of SEZ6L2 in the majority of primary lung cancers and lung-cancer cell lines examined. SEZ6L2 protein was proven to be present on the surface of lung-cancer cells by flow cytometrical analysis using anti-SEZ6L2 antibody. Immunohistochemical staining for tumor tissue microarray consisting of 440 archived lung-cancer specimens detected positive SEZ6L2 staining in 327 (78%) of 420 non-small cell lung cancers (NSCLCs) and 13 (65%) of 20 small-cell lung cancers (SCLCs) examined. Moreover, NSCLC patients whose tumors revealed a higher level of SEZ6L2 expression suffered shorter tumor-specific survival compared to those with no SEZ6L2 expression. These results indicate that SEZ6L2 should be a useful prognostic marker of lung cancers.

Note: This product is for in vitro research use only