

Mouse Talin-1 (TLN1) ELISA Kit

Catalog No: #EK6512



Package Size: #EK6512-1 48T #EK6512-2 96T

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Description

Product Name	Mouse Talin-1 (TLN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ILWEQ; KIAA1027; TLN;
Accession No.	P26039
Uniprot	P26039
GeneID	21894;
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:0.058 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 TLN1 in samples. An antibody specific for TLN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTLN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLN1 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 TLN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TALIN is a high-molecular-weight cytoskeletal protein concentrated at regions of cell-substratum contactand, in lymphocytes, at cell-cell contacts.Talin-1 is a cytoskeletal protein which is concentrated in areas of cell-substratum and cell-cell contacts. This protein plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. It codistributes with integrins in the cell surface membrane in order to assist in the attachment of adherent cells to extracellular matrices and of lymphocytes to other cells. The N-terminus of this protein contains elements for localization to cell-extracellular matrix junctions. The C-terminus contains binding sites for proteins such as beta-1-integrin, actin, and vinculin.

Note: This product is for in vitro research use only