

# Mouse Talin-2 (TLN2) ELISA Kit

Catalog No: #EK6511



Package Size: #EK6511-1 48T #EK6511-2 96T

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## Description

Product Name	Mouse Talin-2 (TLN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	DKFZp451B1011; DKFZp686I0976; DKFZp686K0979; ILWEQ; KIAA0320;
Accession No.	Q71LX4
Uniprot	Q71LX4
GeneID	70549;
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:0.067 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 TLN2 in samples. An antibody specific for TLN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTLN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLN2 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 TLN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TLN2 encodes a protein related to talin 1, a cytoskeletal protein that plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. This protein has a different pattern of expression compared to talin 1 but, like talin 1, is thought to associate with unique transmembrane receptors to form novel linkages between extracellular matrices and the actin cytoskeleton.

The deduced 2,532-amino acid protein contains a FERM domain. In TLN1, the FERM domain binds the cytodomains of beta-1 and beta-3 integrins, as well as to F-actin and other proteins. TLN2 shares 74% identity with TLN1, and the N- and C-terminal regions of TLN2 are highly conserved across species.

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Note: This product is for in vitro research use only