

Human Talin-1 (TLN1) ELISA Kit | TLN1 elisa kit

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CATALOG #
AAA330537

REACTIVITY
Human

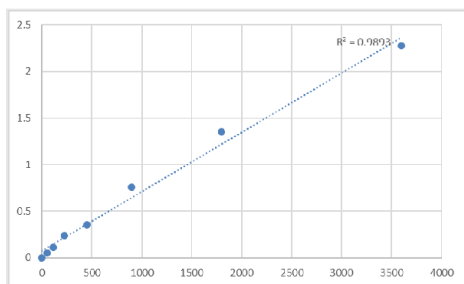
PRODUCT SYNONYMS

Talin-1 (TLN1); Human Talin-1 (TLN1) ELISA Kit; TLN1; ILWEQ; KIAA1027; TLN; TLN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Talin-1 (TLN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TLN1. No significant cross-reactivity or interference between Human TLN1 and analogues was observed.
Sequence Length	2541
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Talin-1 (TLN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TLN1 elisa kit	Description: This Human Talin-1 (TLN1) ELISA Kit 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 any TLN1 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6682361
NCBI GeneID	7094
UniProt Accession #	Q9Y490
NCBI Official Full Name	talin
NCBI Official Synonym Full Names	talin 1
NCBI Official Symbol	TLN1
NCBI Official Synonym Symbols	TLN; ILWEQ; talin-1
NCBI Protein Information	talin-1
UniProt Protein Name	Talin-1
UniProt Gene Name	TLN1
UniProt Synonym Gene Names	KIAA1027; TLN
UniProt Entry Name	TLN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.