Human PDZ And LIM Domain Protein 1 (PDLIM1) ELISA Kit | PDLIM1 elisa kit

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CATALOG #	REACTIVITY
AAA331430	**Human**

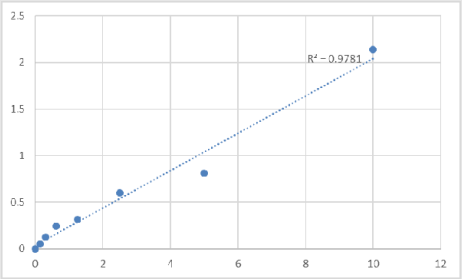
PRODUCT SYNONYMS

PDZ And LIM Domain Protein 1 (PDLIM1); Human PDZ And LIM Domain Protein 1 (PDLIM1) ELISA Kit; PDLIM1; CLIM1; CLP-36; CLP36; hCLIM1; carboxy terminal LIM domain protein 1; carboxyl terminal LIM domain protein 1; elfin; enigma; PDLIM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human PDZ and LIM domain protein 1 (PDLIM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDLIM1. No significant cross-reactivity or interference between Human PDLIM1 and analogues was observed.
Sequence Length	329
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 PDZ and LIM domain protein 1 (PDLIM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDLIM1 elisa kit	Description: This Human PDZ and LIM domain protein 1 (PDLIM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PDLIM1 in samples. An antibody specific for PDLIM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDLIM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDLIM1 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 PDLIM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The LIM domain of PDLIM1 interacts with the C-terminal EF-hand region of alpha-actinin-2 (ACTN2). Immunoprecipitation, Western blot analysis, and Immunofluorescence microscopy demonstrated that the 36-kD PDLIM1 protein colocalizes with ACTN2 in the Z discs of myocardial sarcomeres, particularly at intercalated discs, and with vinculin (VCL), which is localized in the fascia adherens of intercalated discs. Sequence analysis predicted that the 329-amino acid PDLIM1 protein, which is 88% homologous to the rat protein, shares 51 to 61% identity with the PDZ domains of ENIGMA, ALP, ENH, and RIL. SDS-PAGE analysis showed that recombinant PDLIM1 was expressed as a 36-kD protein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13994151
NCBI GeneID	9124
NCBI Accession #	NP_066272.1
NCBI GenBank Nucleotide #	NP_066272.1
UniProt Accession #	O00151
NCBI Official Full Name	PDZ and LIM domain protein 1
NCBI Official Synonym Full Names	PDZ and LIM domain 1
NCBI Official Symbol	PDLIM1
NCBI Official Synonym Symbols	CLIM1; CLP36; CLP-36; hCLIM1; HEL-S-112
NCBI Protein Information	PDZ and LIM domain protein 1
UniProt Protein Name	PDZ and LIM domain protein 1
UniProt Gene Name	**PDLIM1**
UniProt Synonym Gene Names	CLIM1; CLP36
UniProt Entry Name	PDLI1_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.

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Online datasheet: https://www.aaabiotech.com/human-elisa-kits/pdz-and-lim-domain-protein-1-pdlim1/331430