

Human Prickle-Like Protein 1 (PRICKLE1) ELISA Kit | PRICKLE1 elisa kit

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CATALOG #
AAA331342

REACTIVITY
Human

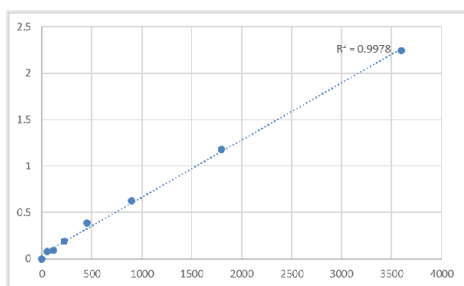
PRODUCT SYNONYMS

Prickle-Like Protein 1 (PRICKLE1); Human Prickle-Like Protein 1 (PRICKLE1) ELISA Kit; PRICKLE1; EPM1B; FLJ31627; FLJ31937; MGC138902; MGC138903; RILP; REST (RE-1 silencing transcription factor)/NRSF (neuron-restrictive silencer factor)-interacting LIM domain protein; prickle homolog 1; prickle-I; PRICKLE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prickle-like protein 1 (PRICKLE1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRICKLE1. No significant cross-reactivity or interference between Human PRICKLE1 and analogues was observed.
Sequence Length	831
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 Prickle-like protein 1 (PRICKLE1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRICKLE1 elisa kit	Description: This Human Prickle-like protein 1 (PRICKLE1) ELISA Kit employs a two-site sandwich ELISA to quantitate PRICKLE1 in samples. An antibody specific for PRICKLE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRICKLE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE1 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 PRICKLE1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PRICKLE1 encodes a nuclear receptor that may be a negative regulator of the Wnt/beta-catenin signaling pathway. The encoded protein localizes to the nuclear membrane and has been implicated in the nuclear trafficking of the transcription repressors REST/NRSF and REST4. Mutations in this gene have been linked to progressive myoclonus epilepsy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3. The deduced 831-amino acid protein contains 3 N-terminal LIM domains and 3 C-terminal nuclear localization signals. It also contains 4 N-glycosylation sites, 2 PKA phosphorylation sites, and a C-terminal CIIS (cys-ile-ile-ser) prenylation motif. Northern blot analysis detected a single 4.4-kb transcript in all tissues examined, with the highest level in placenta.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222136678
NCBI GeneID	144165
NCBI Accession #	NP_694571
NCBI GenBank Nucleotide #	NP_694571.2
UniProt Accession #	Q96MT3
NCBI Official Full Name	prickle-like protein 1
NCBI Official Synonym Full Names	prickle planar cell polarity protein 1
NCBI Official Symbol	PRICKLE1
NCBI Official Synonym Symbols	RILP; EPM1B
NCBI Protein Information	prickle-like protein 1
UniProt Protein Name	Prickle-like protein 1
UniProt Gene Name	PRICKLE1
UniProt Synonym Gene Names	RILP
UniProt Entry Name	PRIC1_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.