

Human Prickle-Like Protein 4 (PRICKLE4) ELISA Kit | PRICKLE4 elisa kit

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CATALOG #
AAA331339

REACTIVITY
Human

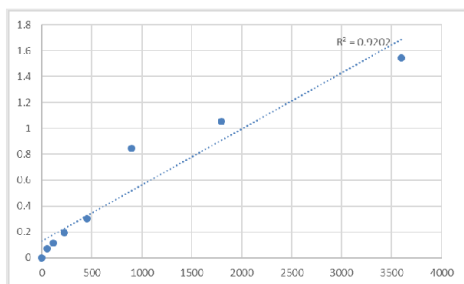
PRODUCT SYNONYMS

Prickle-Like Protein 4 (PRICKLE4); Human Prickle-Like Protein 4 (PRICKLE4) ELISA Kit; PRICKLE4; RP11-298J23.3; C6orf49; MGC120398; OBTP; OEBT; OTTHUMP00000174832; OTTHUMP00000199588; over-expressed breast tumor protein; PRICKLE4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prickle-like protein 4 (PRICKLE4) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRICKLE4. No significant cross-reactivity or interference between Human PRICKLE4 and analogues was observed.
Sequence Length	384
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 4 (PRICKLE4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRICKLE4 elisa kit	Description: This Human Prickle-like protein 4 (PRICKLE4) ELISA Kit employs a two-site sandwich ELISA to quantitate PRICKLE4 in samples. An antibody specific for PRICKLE4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRICKLE4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE4 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 PRICKLE4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: C6ORF49 is a member of the LIM domain protein family. C6ORF49 gene contains 9 exons and spans 8.585 kb. By database searching with human PRICKLE1 and PRICKLE2 as probes, Teufel et al. (2005) identified C6ORF49, which they called OEBT, and used this sequence to identify the mouse and rat homologs. The deduced 385-amino acid C6ORF49 protein shares 72% and 54% sequence identity with the mouse and rat homologs, respectively. C6ORF49 contains 2 LIM domains and a PET domain. It is predicted to be localized in the nucleus. EST database analysis revealed C6ORF49 expression in a broad range of normal tissues as well as in hepatocellular carcinoma, breast cancer, and prostate cancer tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118722347
NCBI GeneID	29964
NCBI Accession #	NP_037529
NCBI GenBank Nucleotide #	NP_037529.3
UniProt Accession #	Q2TBC4
NCBI Official Full Name	prickle-like protein 4
NCBI Official Synonym Full Names	prickle planar cell polarity protein 4
NCBI Official Symbol	PRICKLE4
NCBI Official Synonym Symbols	OBTP; OEBT; TOMM6; C6orf49
NCBI Protein Information	prickle-like protein 4
UniProt Protein Name	Prickle-like protein 4
UniProt Gene Name	PRICKLE4
UniProt Synonym Gene Names	C6orf49; OEBT
UniProt Entry Name	PRIC4_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.