

## Human Prickle-Like Protein 3 (PRICKLE3) ELISA Kit | PRICKLE3 elisa kit

Human Prickle-Like Protein 3 (PRICKLE3) ELISA Kit

CATALOG #  
**AAA331340**

REACTIVITY  
**Human**

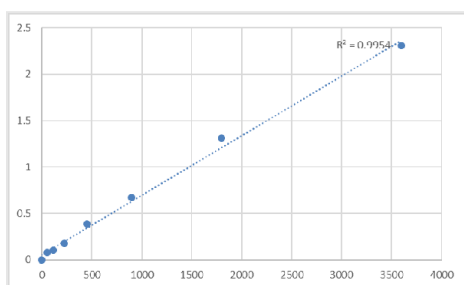
### PRODUCT SYNONYMS

Prickle-Like Protein 3 (PRICKLE3); Human Prickle-Like Protein 3 (PRICKLE3) ELISA Kit; PRICKLE3; LMO6; LIM domain only 6; PRICKLE3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Prickle-like protein 3 (PRICKLE3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRICKLE3. No significant cross-reactivity or interference between Human PRICKLE3 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Length         | 615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Prickle-like protein 3 (PRICKLE3) Standard Curve.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PRICKLE3 elisa kit | <p>Description: This Human Prickle-like protein 3 (PRICKLE3) ELISA Kit employs a two-site sandwich ELISA to quantitate PRICKLE3 in samples. An antibody specific for PRICKLE3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRICKLE3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE3 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 PRICKLE3 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: In the study of a gene-rich region of the X chromosome, Xp11.23-p11.22, Fisher et al. (1997) identified a novel locus consisting of 8 exons in a 12.5-kb interval between the A4 and the SYP loci. This gene, called LMO6, was predicted to encode a product of 407 amino acids with significant homology to proteins containing LIM domains, in particular, mouse testin. The LIM domain is a cysteine-rich sequence motif that binds zinc atoms to form a specific protein-binding interface in protein-protein interactions. Like testin, the LMO6 product contains 3 such domains. Using an RT-PCR approach, they were able to amplify a 450-bp product spanning exons 5 to 7 of the LMO6 transcript from lymphoblastoid RNA. This confirmed that the LMO6 locus is indeed transcribed and unlikely to be a pseudogene.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 7710129                                          |
| NCBI GeneID                      | 4007                                             |
| NCBI Accession #                 | NP_006141                                        |
| NCBI GenBank Nucleotide #        | NP_006141.2                                      |
| UniProt Accession #              | O43900                                           |
| NCBI Official Full Name          | prickle planar cell polarity protein 3 isoform 1 |
| NCBI Official Synonym Full Names | prickle planar cell polarity protein 3           |
| NCBI Official Symbol             | PRICKLE3                                         |
| NCBI Official Synonym Symbols    | Pk3; LMO6                                        |
| NCBI Protein Information         | prickle planar cell polarity protein 3           |
| UniProt Protein Name             | Prickle-like protein 3                           |
| UniProt Gene Name                | PRICKLE3                                         |
| UniProt Synonym Gene Names       | LMO6; LMO-6                                      |
| UniProt Entry Name               | PRIC3_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.