

## Human Paralemmin-1 (PALM) ELISA Kit | PALM elisa kit

Human Paralemmin-1 (PALM) ELISA Kit

CATALOG #  
**AAA331478**

REACTIVITY  
**Human**

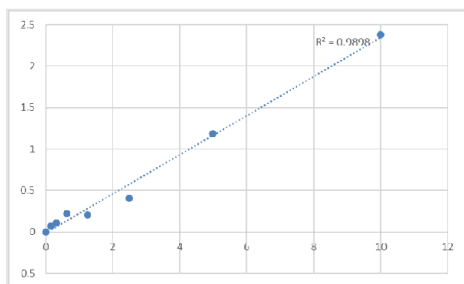
### PRODUCT SYNONYMS

Paralemmin-1 (PALM); Human Paralemmin-1 (PALM) ELISA Kit; PALM; KIAA0270; PALM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Paralemmin-1 (PALM) ELISA Kit has high sensitivity and excellent specificity for detection of Human PALM. No significant cross-reactivity or interference between Human PALM and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 343                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 Paralemmin-1 (PALM) Standard Curve.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PALM elisa kit | <p>Description: This Human Paralemmin-1 (PALM) ELISA Kit employs a two-site sandwich ELISA to quantitate PALM in samples. An antibody specific for PALM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PALM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PALM 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 PALM bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Paralemmin is a member of the paralemmin protein family. PALM has a highly conserved coiled-coil N terminus that displays a periodicity of acidic, basic, hydrophobic, and glutamine residues, as well as 2 potential leucine zippers. PALM has a central motif similar to a sequence found in lipid-anchored SNAREs that is involved in endoplasmic reticulum-Golgi transport. The C terminus of PALM contains a cluster of basic residues, which likely contribute to membrane association, putative palmitoylated cysteines, and a prenylation consensus motif. PALM also has phosphorylation motifs for several serine/threonine kinases. The 5-prime untranslated regions of the chicken, mouse, and human transcripts are GC rich.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------------|
| NCBI GI #                        | 93141029               |
| NCBI GeneID                      | 5064                   |
| NCBI Accession #                 | NP_001035224.1         |
| NCBI GenBank Nucleotide #        | NP_001035224.1         |
| UniProt Accession #              | O75781                 |
| NCBI Official Full Name          | paralemmin-1 isoform 2 |
| NCBI Official Synonym Full Names | paralemmin             |
| NCBI Official Symbol             | PALM                   |
| NCBI Official Synonym Symbols    | PALM1                  |
| NCBI Protein Information         | paralemmin-1           |
| UniProt Protein Name             | Paralemmin-1           |
| UniProt Gene Name                | PALM                   |
| UniProt Synonym Gene Names       | KIAA0270               |
| UniProt Entry Name               | PALM_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.