

Human Palmdelphin (PALMD) ELISA Kit

Catalog No: #EK8666



Package Size: #EK8666-1 48T #EK8666-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

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| Product Name | Human Palmdelphin (PALMD) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | C1orf11; FLJ20271; PALML; paralemnin-like |
| Accession No. | Q9NP74 |
| Uniprot | Q9NP74 |
| GeneID | 54873; |
| Storage | <p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p> |

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.61 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PALMD in samples. An antibody specific for PALMD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPALMD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PALMD 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 PALMD bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:It has an N-terminal coiled-coil region that shares 45% amino acid identity with an N-terminal region in AKAP2 . Overall, PALML shares 36% amino acid identity with paralemmin (PALM). The shorter PALML variant encodes a deduced 471-amino acid protein that, compared with long isoform, lacks the N-terminal coiled-coil region and differs in the first 19 amino acids. Northern blot analysis detected a 2.4-kb PALML transcript enriched in testis, prostate, heart, and skeletal muscle. No expression was detected in brain and peripheral blood leukocytes, and alternative transcripts were detected in heart, liver, and skeletal muscle. Epitope-tagged PALML was expressed throughout the cytoplasm of transfected COS-7 cells and was excluded from the nucleus.

Note: This product is for in vitro research use only