

# Mouse Podoplanin (PDPN) ELISA Kit

Catalog No: #EK8596



Package Size: #EK8596-1 48T #EK8596-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse Podoplanin (PDPN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CTA-520D8.1; AGGRUS; GP36; GP40; Gp38; HT1A-1; OTS8; PA2.26; T1A; T1A-2; glycoprotein; 36-KD hT1alpha-1 hT1alpha-2 lung type I cell membrane associated glycoprotein lung type-I cell membrane-associa
Accession No.	Q62011
Uniprot	Q62011
GeneID	14726;
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:0.156-10 ng/mL

Sensitivity:0.061 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 PDPN in samples. An antibody specific for PDPN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPDPN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDPN 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 PDPN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Podoplanin is a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants encoding different isoforms have been identified.Highly expressed in placenta, lung, skeletal muscle and brain. Weakly expressed in brain, kidney and liver. In placenta, expressed on the apical plasma membrane of endothelium. In lung, expressed in alveolar epithelium. Up-regulated in colorectal tumors and expressed in 25% of early oral squamous cell carcinomas.

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Note: This product is for in vitro research use only