

Mouse Podoplanin (PDPN) ELISA Kit | PDPN elisa kit

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CATALOG #
AAA136603

REACTIVITY
Mouse

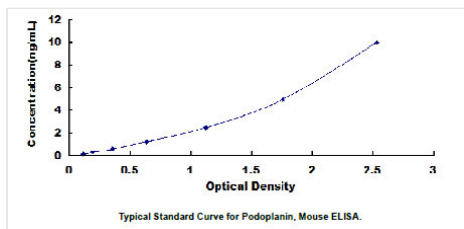
PRODUCT SYNONYMS

Podoplanin (PDPN); Mouse Podoplanin (PDPN) ELISA Kit; GP40; GP36; Gp38; HT1A-1; OTS8; PA2.26; T1A; T1A-2; Aggrus; Glycoprotein 36; PA2.26 antigen; T1-alpha; Lung Type I Cell Membrane Associated Glycoprotein; PDPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of podoplanin. No significant cross-reactivity or interference between podoplanin and analogues was observed.
Sequence Length	162
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level podoplanin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level podoplanin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDPN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of podoplanin in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to podoplanin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to podoplanin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain podoplanin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of podoplanin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PDPN elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	21666312
NCBI GeneID	10630
Molecular Weight	12,421 Da
NCBI Official Full Name	podoplanin
NCBI Official Synonym Full Names	podoplanin
NCBI Official Symbol	PDPN
NCBI Official Synonym Symbols	T1A; GP36; GP40; Gp38; OTS8; T1A2; T11A; T1A-2; AGGRUS; HT1A-1; PA2.26
NCBI Protein Information	podoplanin
UniProt Protein Name	Podoplanin
UniProt Gene Name	PDPN
UniProt Synonym Gene Names	Gp36; T1A
UniProt Entry Name	PDPN_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/podoplanin-pdpn/136603>