

Human Podoplanin (PDPN) ELISA Kit | PDPN elisa kit

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CATALOG #
AAA331429

REACTIVITY
Human

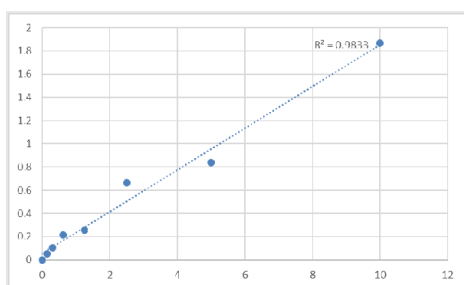
PRODUCT SYNONYMS

Podoplanin (PDPN); Human Podoplanin (PDPN) ELISA Kit; PDPN; 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; PDPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Podoplanin (PDPN) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDPN. No significant cross-reactivity or interference between Human PDPN and analogues was observed.
Sequence Length	118
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Podoplanin (PDPN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDPN elisa kit	Description: This Human Podoplanin (PDPN) ELISA Kit 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 any PDPN 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. Background: 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792062
NCBI GeneID	10630
NCBI Accession #	NP_001006626.1
NCBI GenBank Nucleotide #	NP_001006626.1
UniProt Accession #	Q86YL7
NCBI Official Full Name	podoplanin isoform d
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/podoplanin-pdpn/331429>