

Mouse Podocalyxin ELISA Kit | PODXL elisa kit

Mouse Podocalyxin PicoKine ELISA Kit

CATALOG #
AAA125208

REACTIVITY
Mouse

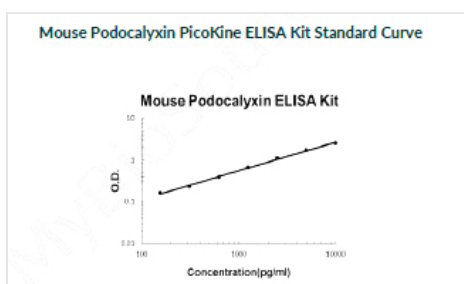
PRODUCT SYNONYMS

Podocalyxin; Mouse Podocalyxin PicoKine ELISA Kit; Mouse Podocalyxin; podocalyxin-like; Podocalyxin-like protein 1; PC; PCLP-1; Podxl; Pclp1; PODXL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Podxl
Sequence Length	503
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PODXL elisa kit	Principle of the Assay: The Picokine™ Mouse Podxl Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Podxl with a 96-well strip plate that is pre-coated with antibody specific for Podxl. The detection antibody is a biotinylated antibody specific for Podxl. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Podxl with immunogen: Expression system for standard: NSO, Immunogen sequence: H22-S404. The kit is analytically validated with ready to use reagents. To measure Mouse Podxl, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Podxl in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Podxl in the sample.!!Background/Introduction: Podocalyxin-like protein 1 is a protein that in humans is encoded by the PODXL gene. It is mapped to 6 A3.3; 6 12.57 Cm. This gene encodes a member of the CD34 sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Inactivation of the encoding gene in mice leads to anuria, omphalocele and perinatal death. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na+/H+ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34328219
NCBI GeneID	27205
NCBI Accession #	NP_038751.2
NCBI GenBank Nucleotide #	NP_038751.2
UniProt Accession #	Q9R0M4
NCBI Official Full Name	podocalyxin
NCBI Official Synonym Full Names	podocalyxin-like
NCBI Official Symbol	Podxl
NCBI Official Synonym Symbols	PC; Ly102; Pclp1; PCLP-1; Podxl1; AW121214
NCBI Protein Information	podocalyxin
UniProt Protein Name	Podocalyxin
UniProt Gene Name	Podxl
UniProt Synonym Gene Names	Pclp1; PC; PCLP-1

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/podxl-mouse-elisa-kits/podocalyxin/125208>