

Mouse Podocan (PODN) ELISA Kit | PODN elisa kit

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CATALOG #
AAA63418

REACTIVITY
Mouse

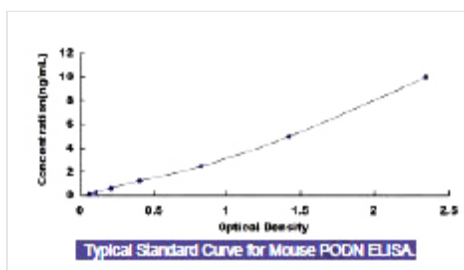
PRODUCT SYNONYMS

Podocan (PODN); Mouse Podocan (PODN) ELISA Kit; PCAN; SLRR5A; PODN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PODN. No significant cross-reactivity or interference between PODN and analogues was observed.
Sequence Length	611
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PODN 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 PODN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PODN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PODN in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PODN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PODN. 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 PODN, 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 PODN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	552953828
NCBI GeneID	242608
NCBI Accession #	NP_001272885.1
NCBI GenBank Nucleotide #	NM_001285956.1
UniProt Accession #	Q7TQ62; Q8BM45; A2A8F3
Molecular Weight	45,196 Da
NCBI Official Full Name	podocan
NCBI Official Synonym Full Names	podocan
NCBI Official Symbol	Podn
NCBI Official Synonym Symbols	Pcan; SLRR5A; 9430070G18
NCBI Protein Information	podocan
UniProt Protein Name	Podocan
UniProt Gene Name	Podn

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/podocan-podn/63418>