

Human Podocan (PODN) ELISA Kit | PODN elisa kit

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CATALOG #
AAA188263

REACTIVITY
Human

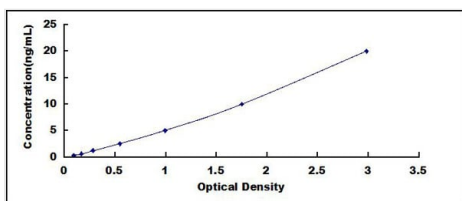
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Podocan (PODN). No significant cross-reactivity or interference between Podocan (PODN) and analogues was observed.
Sequence Length	613
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.117ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Podocan (PODN) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Podocan (PODN) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ 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 PODN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Podocan (PODN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Podocan (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 Podocan (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 Podocan (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 #	1719757105
NCBI Accession #	NP_001186009
NCBI GenBank Nucleotide #	NP_001186009.2
UniProt Accession #	Q7Z5L7
NCBI Official Full Name	podocan
UniProt Protein Name	Podocan
UniProt Gene Name	PODN
UniProt Synonym Gene Names	SLRR5A
UniProt Entry Name	PODN_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://www.aaabiotech.com/human-elisa-kits/podocan-podn/188263>