

Human Peroxidasin Homolog (PXDN) ELISA Kit | PXDN elisa kit

Human Peroxidasin Homolog (PXDN) ELISA Kit

CATALOG #
AAA187802

REACTIVITY
Human

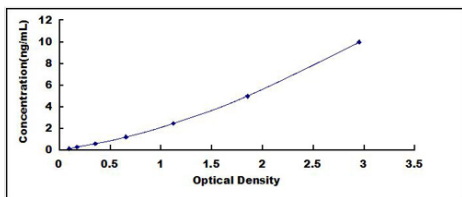
PRODUCT SYNONYMS

Peroxidasin Homolog (PXDN); Human Peroxidasin Homolog (PXDN) ELISA Kit; PRG2; PXN; MG50; VPO; VPO1; Melanoma-associated antigen MG50; Vascular peroxidase 1; p53-responsive gene 2 protein; PXDN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Peroxidasin Homolog (PXDN). No significant cross-reactivity or interference between Peroxidasin Homolog (PXDN) and analogues was observed.
Sequence Length	727
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.065ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Peroxidasin Homolog (PXDN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Peroxidasin Homolog (PXDN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
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 PXDN 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 Peroxidasin Homolog (PXDN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Peroxidasin Homolog (PXDN). 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 Peroxidasin Homolog (PXDN), 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 Peroxidasin Homolog (PXDN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	109150416
NCBI GeneID	7837
NCBI Accession #	NP_036425.1
NCBI GenBank Nucleotide #	NM_012293.2
UniProt Accession #	Q92626; Q4KMG2; A8QM65; D6W4Y0
Molecular Weight	80,329 Da
NCBI Official Full Name	peroxidasin homolog
NCBI Official Synonym Full Names	peroxidasin
NCBI Official Symbol	PXDN
NCBI Official Synonym Symbols	PXN; VPO; MG50; PRG2; ASGD7; COPOA; D2S448; D2S448E
NCBI Protein Information	peroxidasin homolog
UniProt Protein Name	Peroxidasin homolog
UniProt Gene Name	PXDN
UniProt Synonym Gene Names	KIAA0230; MG50; PRG2; VPO; VPO1

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.