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

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CATALOG #	REACTIVITY
AAA331216	**Human**

PRODUCT SYNONYMS

Peroxidasin Homolog (PXDN); Human Peroxidasin Homolog (PXDN) ELISA Kit; PXDN; D2S448; D2S448E; KIAA0230; MG50; PRG2; PXN; VPO; p53-responsive gene 2; peroxidasin; PXDN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peroxidasin homolog (PXDN) ELISA Kit has high sensitivity and excellent specificity for detection of Human PXDN. No significant cross-reactivity or interference between Human PXDN and analogues was observed.
Sequence Length	1479
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 Peroxidasin homolog (PXDN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PXDN elisa kit	Description: This Human Peroxidasin homolog (PXDN) ELISA Kit employs a two-site sandwich ELISA to quantitate PXDN in samples. An antibody specific for PXDN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PXDN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXDN 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 PXDN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Drosophila peroxidasin is an extracellular matrix-associated peroxidase. It is expressed exclusively in hemocytes derived from head mesoderm at a very early stage of differentiation. Peroxidasin exists as a homotrimer with a unique hybrid structure that combines an enzymatically functional peroxidase domain with motifs that are typically found in extracellular matrix-associated proteins. It is a secreted protein that contains a secretory recognition sequence at its N terminus. Peroxidasin catalyzes hydrogen peroxide-driven radioiodination, oxidations, and the formation of dityrosine in vitro. It is also thought to function in extracellular matrix consolidation, phagocytosis, and defense.

NCBI AND UNIPROT INFORMATION

NCBI GI #	109150416
NCBI GeneID	7837
NCBI Accession #	NP_036425.1
NCBI GenBank Nucleotide #	NP_036425.1
UniProt Accession #	Q92626
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.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/peroxidasin-homolog-pxdn/331216