

Human Pericentriolar Material 1 Protein (PCM1) ELISA Kit | PCM1 elisa kit

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CATALOG #
AAA331459

REACTIVITY
Human

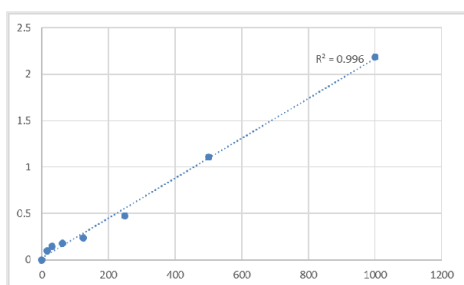
PRODUCT SYNONYMS

Pericentriolar Material 1 Protein (PCM1); Human Pericentriolar Material 1 Protein (PCM1) ELISA Kit; PCM1; PTC4; PCM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pericentriolar material 1 protein (PCM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCM1. No significant cross-reactivity or interference between Human PCM1 and analogues was observed.
Sequence Length	2024
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 Pericentriolar material 1 protein (PCM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCM1 elisa kit	Description: This Human Pericentriolar material 1 protein (PCM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PCM1 in samples. An antibody specific for PCM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCM1 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 PCM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The PCM1 protein was originally identified by virtue of its distinct cell cycle-dependent association with the centrosome complex and microtubules. The protein appears to associate with the centrosome complex during the cell cycle. Dissociation occurs during mitosis when PCM1 is dispersed throughout the cell. Immunolabeling studies performed found that PCM1 was present in centriolar satellites and in electron dense granules between 70 and 100 nm in diameter. These were originally thought to be scattered only around the centrosomes, but further studies proved that PCM1 was also found throughout the cytoplasm.PCM1 forms a complex at the centrosome with DISC1 and BBS4, which provides a link between aberrant PCM1 and the abnormal cortical development associated with the pathology of schizophrenia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134142826
NCBI GeneID	5108
NCBI Accession #	NP_006188.3
NCBI GenBank Nucleotide #	NP_006188.3
UniProt Accession #	Q15154
NCBI Official Full Name	pericentriolar material 1 protein isoform 1
NCBI Official Synonym Full Names	pericentriolar material 1
NCBI Official Symbol	PCM1
NCBI Official Synonym Symbols	PTC4; RET/PCM-1
NCBI Protein Information	pericentriolar material 1 protein
UniProt Protein Name	Pericentriolar material 1 protein
UniProt Gene Name	PCM1
UniProt Synonym Gene Names	PCM-1; hPCM-1
UniProt Entry Name	PCM1_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.