

Human Protocadherin beta-16 (PCDHB16) ELISA Kit | PCDHB16 elisa kit

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CATALOG #
AAA331462

REACTIVITY
Human

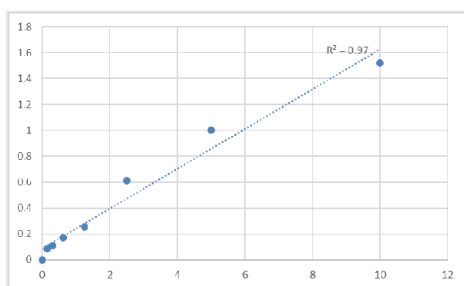
PRODUCT SYNONYMS

Protocadherin beta-16 (PCDHB16); Human Protocadherin beta-16 (PCDHB16) ELISA Kit; PCDHB16; KIAA1621; ME1; PCDH-BETA16; PCDH3X; PCDHB8a; PCDHbeta 16; cadherin ME1; protocadherin beta 8a; protocadherin-3x; PCDHB16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protocadherin beta-16 (PCDHB16) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCDHB16. No significant cross-reactivity or interference between Human PCDHB16 and analogues was observed.
Sequence Length	776
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 Protocadherin beta-16 (PCDHB16) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCDHB16 elisa kit	Description: This Human Protocadherin beta-16 (PCDHB16) ELISA Kit employs a two-site sandwich ELISA to quantitate PCDHB16 in samples. An antibody specific for PCDHB16 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCDHB16 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCDHB16 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 PCDHB16 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PCDHb16 is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	605052038
NCBI GeneID	57717
NCBI Accession #	NP_066008
NCBI GenBank Nucleotide #	NP_066008.2
UniProt Accession #	Q9NRJ7
NCBI Official Full Name	protocadherin beta-16
NCBI Official Synonym Full Names	protocadherin beta 16
NCBI Official Symbol	PCDHB16
NCBI Official Synonym Symbols	ME1; PCDH3X; PCDHB8a; PCDH-BETA16
NCBI Protein Information	protocadherin beta-16
UniProt Protein Name	Protocadherin beta-16
UniProt Gene Name	PCDHB16
UniProt Synonym Gene Names	KIAA1621; PCDH3X; PCDH-beta-16
UniProt Entry Name	PCDBG_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.