

Human Protocadherin-15 (PCDH15) ELISA Kit | PCDH15 elisa kit

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CATALOG #
AAA331465

REACTIVITY
Human

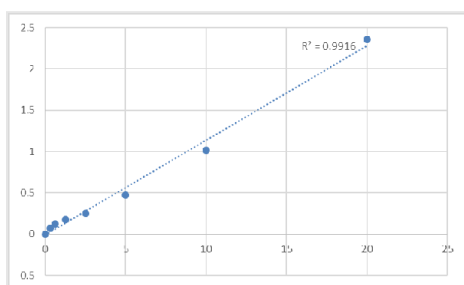
PRODUCT SYNONYMS

Protocadherin-15 (PCDH15); Human Protocadherin-15 (PCDH15) ELISA Kit; PCDH15; RP11-449J3.2; DFNB23; DKFZp667A1711; USH1F; OTTHUMP00000185548; OTTHUMP00000185549; OTTHUMP00000185553; PCDH15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protocadherin-15 (PCDH15) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCDH15. No significant cross-reactivity or interference between Human PCDH15 and analogues was observed.
Sequence Length	1955
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-15 (PCDH15) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCDH15 elisa kit	Description: This Human Protocadherin-15 (PCDH15) ELISA Kit employs a two-site sandwich ELISA to quantitate PCDH15 in samples. An antibody specific for PCDH15 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCDH15 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCDH15 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 PCDH15 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PCSH15 encodes a variety of isoforms with 3 to 11 ectodomains, a transmembrane domain, and a C-terminal cytoplasmic domain (CD). The amino acid sequences of CD1, CD2, and CD3 are entirely different. PCDH15-CD1 showed a limited pattern of expression and was detected in human testis, retina, and cochlea. PCDH15-CD2 expression was present in the human heart, kidney, thymus, spleen, testis, retina and cochlea. PCDH15-CD3 was widely transcribed and detected in almost all of 18 tissues tested. PCDH15 expression in the inner and outer synaptic layers and the nerve fiber layer in human adult and fetal retinas. Additional reactivity in the region of the outer limiting membrane/photoreceptor cell inner segments was observed in adult but not fetal retina.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115387123
NCBI GeneID	65217
NCBI Accession #	NP_149045.3
NCBI GenBank Nucleotide #	NP_149045.3
UniProt Accession #	Q96QU1
NCBI Official Full Name	protocadherin-15 isoform CD1-4
NCBI Official Synonym Full Names	protocadherin related 15
NCBI Official Symbol	PCDH15
NCBI Official Synonym Symbols	USH1F; CDHR15; DFNB23
NCBI Protein Information	protocadherin-15
UniProt Protein Name	Protocadherin-15
UniProt Gene Name	PCDH15
UniProt Synonym Gene Names	USH1F

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.