

Human Myomegalin (PDE4DIP) ELISA Kit | MMGL elisa kit

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CATALOG #
AAA331442

REACTIVITY
Human

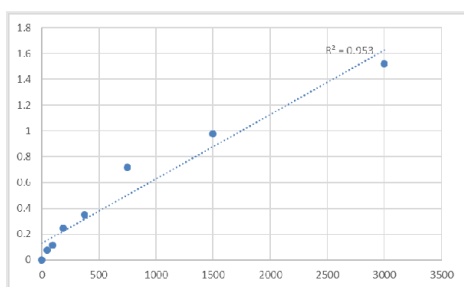
PRODUCT SYNONYMS

Myomegalin (PDE4DIP); Human Myomegalin (PDE4DIP) ELISA Kit; PDE4DIP; CMYA2; DKFZp781J054; MGC75440; cardiomyopathy associated 2; myomegalin; MMGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myomegalin (PDE4DIP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDE4DIP. No significant cross-reactivity or interference between Human PDE4DIP and analogues was observed.
Sequence Length	176
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 Myomegalin (PDE4DIP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMGL elisa kit	Description: This Human Myomegalin (PDE4DIP) ELISA Kit employs a two-site sandwich ELISA to quantitate PDE4DIP in samples. An antibody specific for PDE4DIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDE4DIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDE4DIP 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 PDE4DIP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By analyzing ESTs for cardiac muscle-specific transcripts, followed by screening heart cDNA libraries and 5-prime RACE, Soejima et al. (2001) cloned 4 splice variants of PDE4DIP, which they called MMGL. The variant-1 transcript has a long 3-prime untranslated region containing 9 possible polyadenylation signals, and it encodes a deduced 174-amino acid protein. Variants 2, 3, and 4 encode proteins of 174, 173, and 240 amino acids, respectively. Northern blot analysis detected high expression of a 1.0- to 1.3-kb band and lower expression of 4.4- and 8.5-kb bands in adult and fetal heart, skeletal muscle, and all specific heart regions examined. Only the 4.4-kb transcript was detected in aorta. Fluorescence-tagged variants 1 and 4 were expressed in both the cytoplasm and nucleus of transfected mouse myocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	305410866
NCBI GeneID	653513
NCBI Accession #	NP_001182190
NCBI GenBank Nucleotide #	NP_001182190.1
UniProt Accession #	Q5VU43
NCBI Official Full Name	myomegalin isoform 7
NCBI Official Symbol	LOC653513
NCBI Protein Information	myomegalin; uncharacterized protein LOC653513
UniProt Protein Name	Myomegalin
UniProt Gene Name	PDE4DIP
UniProt Synonym Gene Names	CMYA2; KIAA0454; KIAA0477; MMGL
UniProt Entry Name	MYOME_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.

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Online datasheet: <https://stage.aaabiotech.com/mmgl-human-elisa-kits/myomegalin-pde4dip/331442>