

Human Myosin-VI (MYO6) ELISA Kit | MYO6 elisa kit

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CATALOG #
AAA331576

REACTIVITY
Human

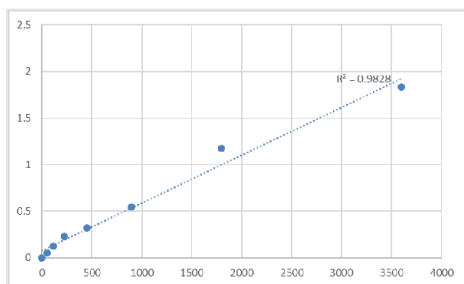
PRODUCT SYNONYMS

Myosin-VI (MYO6); Human Myosin-VI (MYO6) ELISA Kit; MYO6; RP3-472A9.1; DFNA22; DFN37; KIAA0389; MYO6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin-VI (MYO6) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO6. No significant cross-reactivity or interference between Human MYO6 and analogues was observed.
Sequence Length	1262
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 Myosin-VI (MYO6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYO6 elisa kit	Description: This Human Myosin-VI (MYO6) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO6 in samples. An antibody specific for MYO6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYO6 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 MYO6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYO6 encodes a reverse-direction motor protein that moves toward the minus end of actin filaments and plays a role in intracellular vesicle and organelle transport. Myosin-VI consists of a motor domain containing an ATP- and an actin-binding site and a globular tail which interacts with other proteins. Myosin-VI maintains the structural integrity of inner ear hair cells and mutations in this gene cause non-syndromic autosomal dominant and recessive hearing loss. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	665505983
NCBI GeneID	4646
NCBI Accession #	NP_001287828.1
NCBI GenBank Nucleotide #	NP_001287828.1
UniProt Accession #	Q9UM54
NCBI Official Full Name	unconventional myosin-VI isoform 2
NCBI Official Synonym Full Names	myosin VI
NCBI Official Symbol	MYO6
NCBI Official Synonym Symbols	DFNA22; DFNB37
NCBI Protein Information	unconventional myosin-VI
UniProt Protein Name	Unconventional myosin-VI
UniProt Gene Name	MYO6
UniProt Synonym Gene Names	KIAA0389
UniProt Entry Name	MYO6_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.