

Human Myosin-Va (MYO5A) ELISA Kit | MYO5A elisa kit

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CATALOG #
AAA331578

REACTIVITY
Human

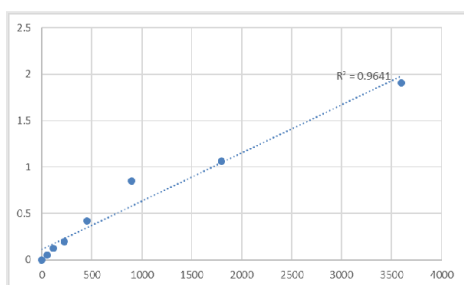
PRODUCT SYNONYMS

Myosin-Va (MYO5A); Human Myosin-Va (MYO5A) ELISA Kit; MYO5A; GS1; MYH12; MYO5; MYR12; dilute; myosin V; myosin VA; myosin; heavy polypeptide kinase; myoxin; MYO5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin-Va (MYO5A) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO5A. No significant cross-reactivity or interference between Human MYO5A and analogues was observed.
Sequence Length	1855
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-Va (MYO5A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYO5A elisa kit	Description: This Human Myosin-Va (MYO5A) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO5A in samples. An antibody specific for MYO5A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO5A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYO5A 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 MYO5A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYO5A is one of three myosin V heavy-chain genes, belonging to the myosin gene superfamily. Myosin V is a class of actin-based motor proteins involved in cytoplasmic vesicle transport and anchorage, spindle-pole alignment and mRNA translocation. Myosin-Va encoded by MYO5A is abundant in melanocytes and nerve cells. Mutations in this gene cause Griscelli syndrome type-1 (GS1), Griscelli syndrome type-3 (GS3) and neuroectodermal melanolyosomal disease, or Elejalde disease. Multiple alternatively spliced transcript variants encoding different isoforms have been reported, but the full-length nature of some variants has not been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215982791
NCBI GeneID	4644
NCBI Accession #	NP_000250.3
NCBI GenBank Nucleotide #	NP_000250.3
UniProt Accession #	Q9Y4I1
NCBI Official Full Name	unconventional myosin-Va isoform 1
NCBI Official Synonym Full Names	myosin VA
NCBI Official Symbol	MYO5A
NCBI Official Synonym Symbols	GS1; MYO5; MYH12; MYR12
NCBI Protein Information	unconventional myosin-Va
UniProt Protein Name	Unconventional myosin-Va
UniProt Gene Name	MYO5A
UniProt Synonym Gene Names	MYH12
UniProt Entry Name	MYO5A_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.