

Human Myosin-XVI (MYO16) ELISA Kit | MYO16 elisa kit

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CATALOG #
AAA331592

REACTIVITY
Human

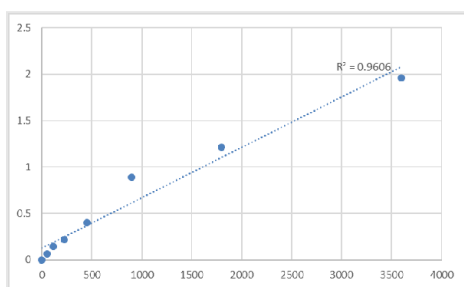
PRODUCT SYNONYMS

Myosin-XVI (MYO16); Human Myosin-XVI (MYO16) ELISA Kit; MYO16; RP11-54H7.1; KIAA0865; MYR8; Myo16b; MYO16 variant protein; OTTHUMP00000018693; myosin heavy chain Myr 8; MYO16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin-XVI (MYO16) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYO16. No significant cross-reactivity or interference between Human MYO16 and analogues was observed.
Sequence Length	1880
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-XVI (MYO16) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYO16 elisa kit	Description: This Human Myosin-XVI (MYO16) ELISA Kit employs a two-site sandwich ELISA to quantitate MYO16 in samples. An antibody specific for MYO16 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYO16 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYO16 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 MYO16 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYO16 encodes an unconventional myosin protein. Myosin-XVI has been proposed to act as a serine/threonine phosphatase-1 targeting or regulatory subunit. Studies in a rat cell line suggest that this protein may regulate cell cycle progression. A variant within MYO16 may be associated with susceptibility to schizophrenia and elevated expression of MYO16 has been observed in the frontal cortex of human schizophrenia patients.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312147315
NCBI GeneID	23026
NCBI Accession #	NP_001185879.1
NCBI GenBank Nucleotide #	NP_001185879.1
UniProt Accession #	Q9Y6X6
NCBI Official Full Name	unconventional myosin-XVI isoform 1
NCBI Official Synonym Full Names	myosin XVI
NCBI Official Symbol	MYO16
NCBI Official Synonym Symbols	MYR8; MYAP3; NYAP3; Myo16b; PPP1R107
NCBI Protein Information	unconventional myosin-XVI
UniProt Protein Name	Unconventional myosin-XVI
UniProt Gene Name	MYO16
UniProt Synonym Gene Names	KIAA0865; MYO16B; NYAP3
UniProt Entry Name	MYO16_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/human-elisa-kits/myosin-xvi-myo16/331592>