Human Myotubularin-Related Protein 3 (MTMR3) ELISA Kit | MTMR3 elisa kit

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CATALOG #	REACTIVITY
AAA331657	**Human**

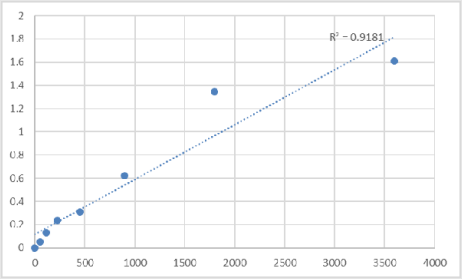
PRODUCT SYNONYMS

Myotubularin-Related Protein 3 (MTMR3); Human Myotubularin-Related Protein 3 (MTMR3) ELISA Kit; MTMR3; hCG_2011013; FLJ32333; FYVE-DSP1; KIAA0371; ZFYVE10; FYVE (Fab1 YGLO23 Vsp27 EEA1 domain) dual-specificity protein phosphatase; OTTHUMP00000199667; OTTHUMP00000199668; myotubularin-related protein 3; zi; MTMR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myotubularin-related protein 3 (MTMR3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTMR3. No significant cross-reactivity or interference between Human MTMR3 and analogues was observed.
Sequence Length	1161
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 Myotubularin-related protein 3 (MTMR3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTMR3 elisa kit	Description: This Human Myotubularin-related protein 3 (MTMR3) ELISA Kit employs a two-site sandwich ELISA to quantitate MTMR3 in samples. An antibody specific for MTMR3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTMR3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTMR3 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 MTMR3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MTMR3 encodes a member of the myotubularin dual specificity protein phosphatase gene family. Myotubularin-related protein 3 is structurally similar to myotubularin but in addition contains a FYVE domain and an N-terminal PH-GRAM domain. The protein can self-associate and also form heteromers with another myotubularin related protein. The protein binds to phosphoinositide lipids through the PH-GRAM domain, and can hydrolyze phosphatidylinositol(3)-phosphate and phosphatidylinositol(3,5)-biphosphate in vitro. Myotubularin-related protein 3 has been observed to have a perinuclear, possibly membrane-bound, distribution in cells, but it has also been found free in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for MTMR3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510389
NCBI GeneID	8897
NCBI Accession #	NP_694691.1
NCBI GenBank Nucleotide #	NP_694691.1
UniProt Accession #	Q13615
NCBI Official Full Name	myotubularin-related protein 3 isoform b
NCBI Official Synonym Full Names	myotubularin related protein 3
NCBI Official Symbol	MTMR3
NCBI Official Synonym Symbols	ZFYVE10; FYVE-DSP1
NCBI Protein Information	myotubularin-related protein 3
UniProt Protein Name	Myotubularin-related protein 3
UniProt Gene Name	**MTMR3**
UniProt Synonym Gene Names	KIAA0371; ZFYVE10; FYVE-DSP1
UniProt Entry Name	MTMR3_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://www.aaabiotech.com/human-elisa-kits/myotubularin-related-protein-3-mtmr3/331657