Human Myotubularin-Related Protein 4 (MTMR4) ELISA Kit | MTMR4 elisa kit

Human Myotubularin-Related Protein 4 (MTMR4) ELISA Kit

CATALOG #	REACTIVITY
AAA331656	**Human**

PRODUCT SYNONYMS

Myotubularin-Related Protein 4 (MTMR4); Human Myotubularin-Related Protein 4 (MTMR4) ELISA Kit; MTMR4; FYVE-DSP2; KIAA0647; ZFYVE11; zinc finger; FYVE domain containing 11; MTMR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myotubularin-related protein 4 (MTMR4) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTMR4. No significant cross-reactivity or interference between Human MTMR4 and analogues was observed.
Sequence Length	1195
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 4 (MTMR4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTMR4 elisa kit	Description: This Human Myotubularin-related protein 4 (MTMR4) ELISA Kit employs a two-site sandwich ELISA to quantitate MTMR4 in samples. An antibody specific for MTMR4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTMR4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTMR4 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 MTMR4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MTMR4 (Myotubularin Related Protein 4) is a Protein Coding gene. Among its related pathways are Metabolism and TGF-beta receptor signaling activates SMADs. GO annotations related to this gene include phosphatase activity and protein serine/threonine phosphatase activity. An important paralog of this gene is MTMR3. Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	217272865
NCBI GeneID	9110
NCBI Accession #	NP_004678
NCBI GenBank Nucleotide #	NP_004678.3
UniProt Accession #	Q9NYA4
NCBI Official Full Name	myotubularin-related protein 4
NCBI Official Synonym Full Names	myotubularin related protein 4
NCBI Official Symbol	MTMR4
NCBI Official Synonym Symbols	ZFYVE11; FYVE-DSP2
NCBI Protein Information	myotubularin-related protein 4
UniProt Protein Name	Myotubularin-related protein 4
UniProt Gene Name	**MTMR4**
UniProt Synonym Gene Names	KIAA0647; ZFYVE11; FYVE-DSP2
UniProt Entry Name	MTMR4_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/myotubularin-related-protein-4-mtmr4/331656