

Human Myotubularin-Related Protein 12 (MTMR12) ELISA Kit | MTMR12 elisa kit

Human Myotubularin-Related Protein 12 (MTMR12) ELISA Kit

CATALOG #
AAA331659

REACTIVITY
Human

PRODUCT SYNONYMS

Myotubularin-Related Protein 12 (MTMR12); Human Myotubularin-Related Protein 12 (MTMR12) ELISA Kit; MTMR12; 3-PAP; PIP3AP; 3-phosphatase adapter subunit; phosphatidylinositol-3 phosphate 3-phosphatase adaptor subunit; phosphatidylinositol-3-phosphate associated protein; MTMR12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myotubularin-related protein 12 (MTMR12) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTMR12. No significant cross-reactivity or interference between Human MTMR12 and analogues was observed.
Sequence Length	747
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 12 (MTMR12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTMR12 elisa kit	Description: This Human Myotubularin-related protein 12 (MTMR12) ELISA Kit employs a two-site sandwich ELISA to quantitate MTMR12 in samples. An antibody specific for MTMR12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTMR12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTMR12 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 MTMR12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P), regulate diverse cellular processes. Myotubularin-related protein 12 encoded by MTMR12 functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants encoding different isoforms have been found for MTMR12.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94721263
NCBI GeneID	54545
NCBI Accession #	NP_001035536.1
NCBI GenBank Nucleotide #	NP_001035536.1
UniProt Accession #	Q9C0I1
NCBI Official Full Name	myotubularin-related protein 12 isoform 1
NCBI Official Synonym Full Names	myotubularin related protein 12
NCBI Official Symbol	MTMR12
NCBI Official Synonym Symbols	3-PAP; PIP3AP
NCBI Protein Information	myotubularin-related protein 12
UniProt Protein Name	Myotubularin-related protein 12
UniProt Gene Name	MTMR12
UniProt Synonym Gene Names	KIAA1682; PIP3AP; 3-PAP
UniProt Entry Name	MTMRC_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-12-mtmr12/331659>