

Mouse Serine/threonine-protein kinase mTOR ELISA Kit | MTOR elisa kit

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CATALOG #
AAA99958

REACTIVITY
Mouse

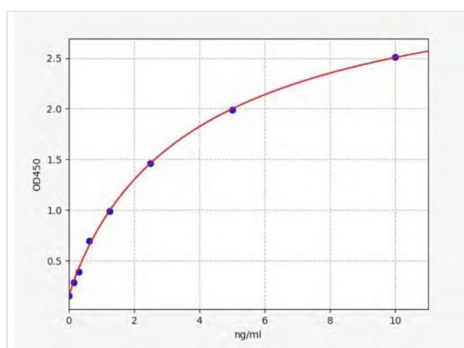
PRODUCT SYNONYMS

Serine/threonine-protein kinase mTOR; Mouse Serine/threonine-protein kinase mTOR ELISA Kit; Serine/threonine-protein kinase mTOR/Rapamycin target protein 1/Rapamycin target protein 1/RAPT1/Mechanistic target of rapamycin/Mammalian target of rapamycin/mTOR/FK506-binding protein 12-rapamycin complex-associated protein 1/FKBP12-rapamycin complex-associated protein/FRAP/FRAP1/FRAP2; MTOR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize MTOR, no obvious cross reaction with other analogues
Sequence Length	2549
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTOR elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti MTOR antibody was pre-coated onto the 96-well plate. The biotin conjugated anti MTOR antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with MTOR conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of MTOR in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	298286833
NCBI GeneID	56717
Molecular Weight	28,467 Da
NCBI Official Full Name	Serine/threonine-protein kinase mTOR
NCBI Official Synonym Full Names	mechanistic target of rapamycin (serine/threonine kinase)
NCBI Official Symbol	Mtor
NCBI Official Synonym Symbols	FRAP; flat; FRAP2; Frap1; RAFT1; RAPT1; AI327068; 2610315D21Rik
NCBI Protein Information	serine/threonine-protein kinase mTOR
UniProt Protein Name	Serine/threonine-protein kinase mTOR
UniProt Gene Name	Mtor
UniProt Synonym Gene Names	Frap; Frap1; mTOR; RAPT1
UniProt Entry Name	MTOR_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/serine-threonine-protein-kinase-mtor/99958>