

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

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CATALOG #  
**AAA192804**

REACTIVITY  
**Mouse**

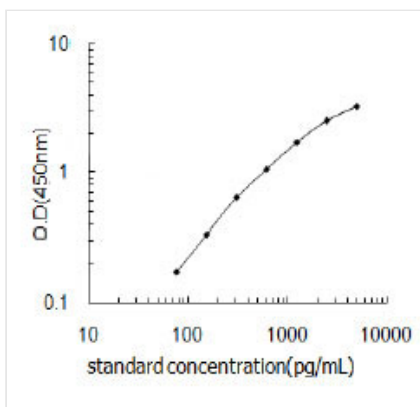
### PRODUCT SYNONYMS

Serine/threonine-protein kinase mTOR; Mouse Serine/threonine-protein kinase mTOR ELISA Kit; FK506-binding protein 12-rapamycin complex-associated protein 1; FKBP12-rapamycin complex-associated protein; Mammalian target of rapamycin; Mtor elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                 |
| Specificity             | Recombinant and natural Mouse Serine/threonine-protein kinase mTOR                    |
| Sequence Length         | 2549                                                                                  |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 78-5000 pg/mL                                                                         |
| Sensitivity             | < 39.3 pg/mL                                                                          |
| Intra-assay Precision   | <=6.8%                                                                                |
| Inter-assay Precision   | <=8.8%                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Mtor elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 227330586                                                       |
| NCBI GeneID                      | 56717                                                           |
| NCBI Accession #                 | NP_064393.2                                                     |
| NCBI GenBank Nucleotide #        | NM_020009.2                                                     |
| UniProt Accession #              | Q9JLN9; Q2KHT0; Q811J5; Q9CST1                                  |
| 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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/serine-threonine-protein-kinase-mtor/192804>