

AlphaLISA® SureFire® Ultra™

# Human and Mouse mTOR Total Detection Kit

**Product number:** ALSU-TMTOR-B500, ALSU-TMTOR-B10K,  
ALSU-TMTOR-B50K, ALSU-TMTOR-B-HV



### Kit specificity:

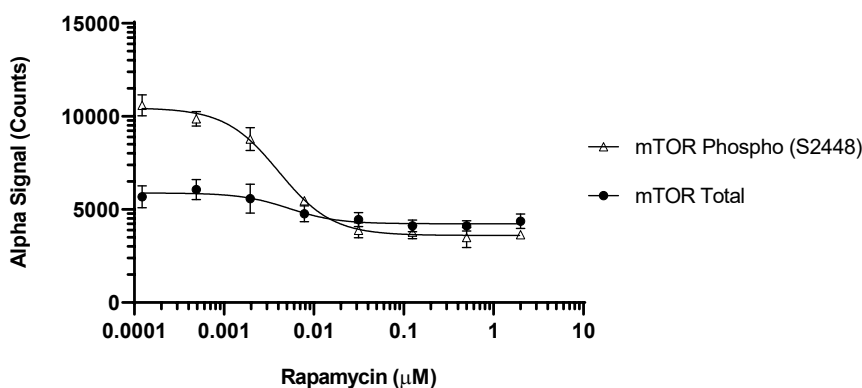
This assay kit contains antibodies which recognize distinct epitopes on mTOR. The protein detected by this kit corresponds to UniProt ID P42345. mTOR is also known as mammalian target of rapamycin and FKBP12-rapamycin complex-associated protein. These antibodies recognize mTOR of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from Jurkat cells cultured in 10% FBS containing medium. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to  $4 \times 10^6$  cells/mL and then treated with  $2 \mu\text{g/mL}$  rh EGF for 30 minutes. Cells were spun down at 300 RCF for 5 minutes and lysed in Lysis Buffer at  $10 \times 10^6$  cells/mL.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were seeded at 60K cells/well in a 96 well plate and incubated overnight. Cells were treated with Rapamycin at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser2448) and Total mTOR using respective SureFire Ultra kits. Equivalent to approximately 6,000 cells/datapoint.



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