

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:

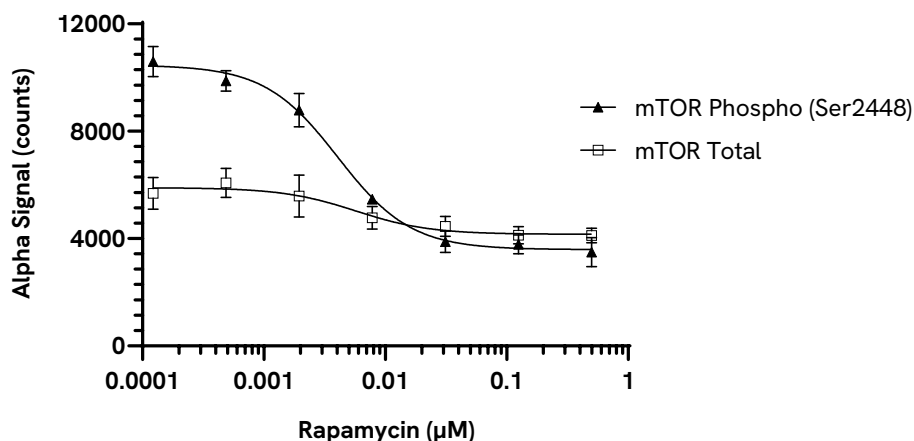
This assay kit contains antibodies which recognize distinct epitopes on mTOR. The protein detected by this kit corresponds to UniProt ID P42345. mTOR is also known as mammalian target of rapamycin and FKBP12-rapamycin complex-associated protein. These antibodies recognize mTOR of human and mouse origin.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

Control lysate information:

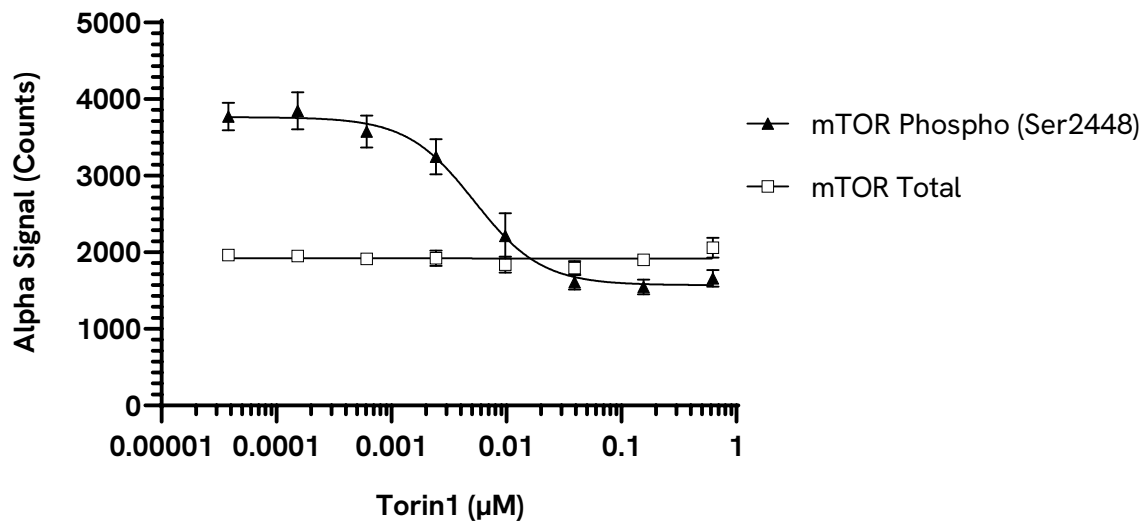
Positive Control Lysate: Prepared from HeLa cells cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 4 mL of Lysis Buffer.

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.



Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Torin1 at the indicated concentrations for 3 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser2448) and Total mTOR using respective *SureFire Ultra* kits. Equivalent to approximately 2,600 cells/datapoint.



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