

AlphaLISA® SureFire® Ultra™

Human and Mouse p-mTOR (Ser2448) Detection Kit

Product number: ALSU-PMTOR-C500, ALSU-PMTOR-C10K,
ALSU-PMTOR-C50K, ALSU-PMTOR-C-HV



Kit specificity:

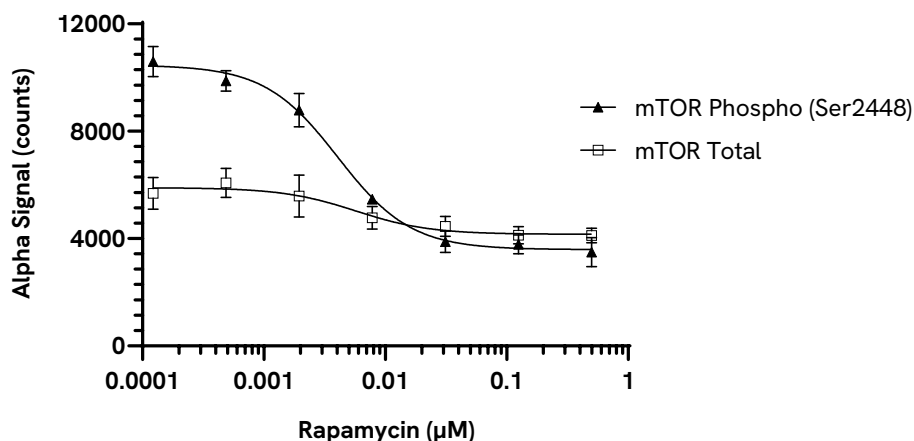
This assay kit contains antibodies which recognize the phospho-Ser2448 epitope and a distal epitope on mTOR (mTOR). The protein detected by this kit corresponds to UniProt ID P42345. mTOR is also known as mammalian target of rapamycin and FKBP12-rapamycin complex-associated protein. These antibodies recognize mTOR of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

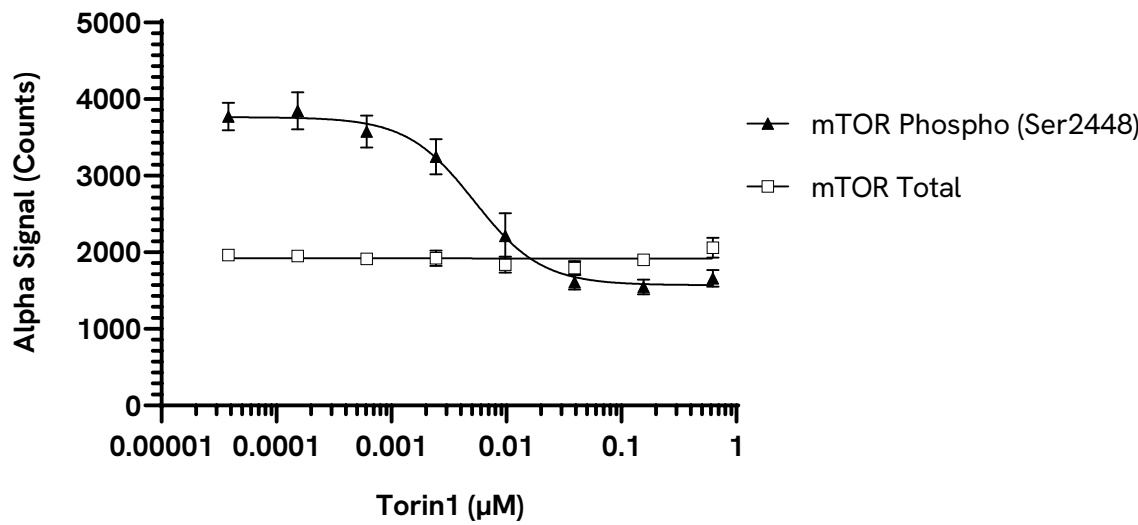
Positive Control Lysate: Prepared from HeLa cells cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 4 mL of Lysis Buffer.

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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