

AlphaLISA® SureFire® Ultra™

# Human and Mouse p-Ribosomal Protein S6 (Ser240/244)

## Detection Kit

**Product number:** ALSU-PS6R-A500, ALSU-PS6R-A10K,  
ALSU-PS6R-A50K, ALSU-PS6R-A-HV



### Kit specificity:

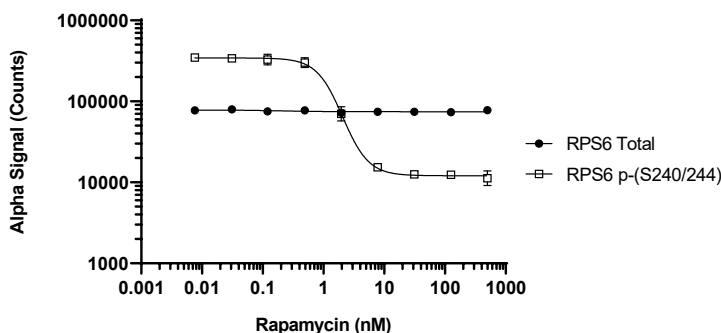
This assay kit contains antibodies which recognize the phospho-Ser240/244 epitope and a distal epitope on Ribosomal Protein S6 (RPS6). The protein detected in this kit corresponds to UniProt ID P62753. RPS6 is also known as Small ribosomal subunit protein eS6 and 40S ribosomal protein S6. These antibodies recognize RPS6 of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from MCF7 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, serum starved for 2 hours, then treated with 500 µg/mL Insulin for 1 hour, lysed with 50mL of Lysis Buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were pre-treated with Rapamycin at the indicated concentrations for 2 hours, then treated with 2.5 µg/mL Insulin for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser240/244) and Total RPS6 using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



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