

AlphaLISA® SureFire® Ultra™

## Human and Mouse p-4E-BP1 (Ser65) Detection Kit

**Product number:** ALSU-P4EBP-B500, ALSU-P4EBP-B10K,  
 ALSU-P4EBP-B50K, ALSU-P4EBP-B-HV



**Kit specificity:**

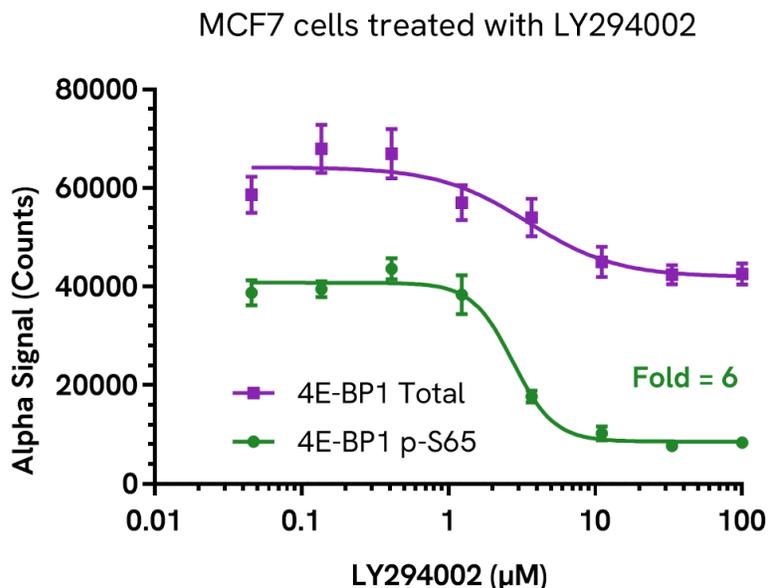
This assay kit contains antibodies which recognize the phospho-Ser65 epitope and a distal epitope on 4E-BP1. The protein detected by this kit corresponds to UniProt ID Q13541. 4E-BP1 is also known as EIF4EBP1. These antibodies recognize 4E-BP1 of human and mouse origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

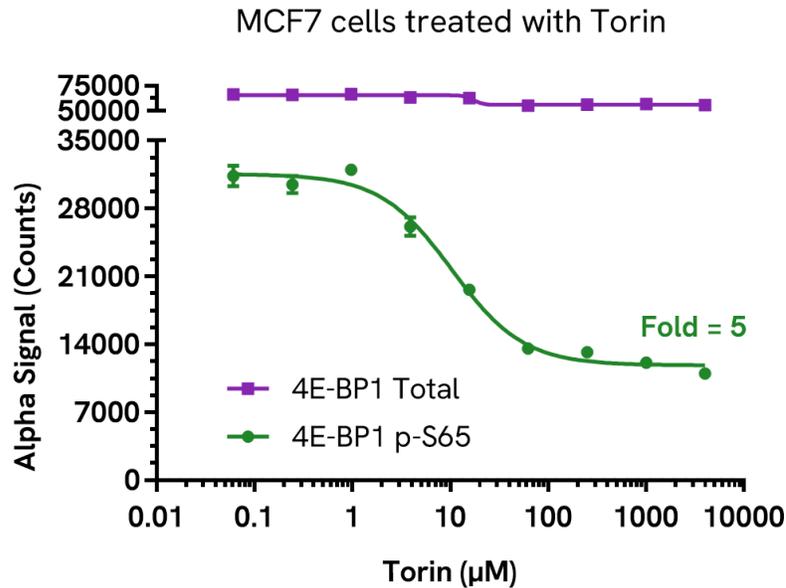
Positive Control Lysate: Prepared from MCF7 cells cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 500 µg/mL insulin for 30 minutes and lysed with 20 mL of Lysis Buffer.

**Representative data:**

Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 10K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of LY294002 for 2 hours in serum free media. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser65) and Total 4E-BP1 using respective SureFire Ultra kits. Equivalent to approximately 250 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 10K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of Torin for 1 hour. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser65) and Total 4E-BP1 using respective *SureFire Ultra* kits. Equivalent to approximately 250 cells/datapoint.



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