AlphaLISA® SureFire® Ultra™
4E-BP1 Total Assay Kit


Kit-Specificity Information
This assay kit contains antibodies which recognize invariant epitopes on 4E-BP1. The protein detected by this kit corresponds to GenBank Accession NP_004086. 4E-BP1 is also known as BP-1, 4EBP1; PHAS-I, MGC4316 and 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 \( \mu \)g/mL Insulin for 30 min and lysed in 20 mL of 1X SureFire Ultra Lysis buffer.

Representative data
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were plated overnight at 10K cells/well, then inhibited with the indicated concentrations of Ly294002 for 2 h. Cells were lysed with 100 \( \mu \)L 1X Lysis Buffer and assayed separately for total and phospho 4E-BP1, using respective kits.


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