

AlphaLISA® SureFire® Ultra™

Human and Mouse p-eIF2α (Ser51) Detection Kit

Product number: ALSU-PEIF2-B500, ALSU-PEIF2-B10K,
ALSU-PEIF2-B50K, ALSU-PEIF2-B-HV



Kit specificity:

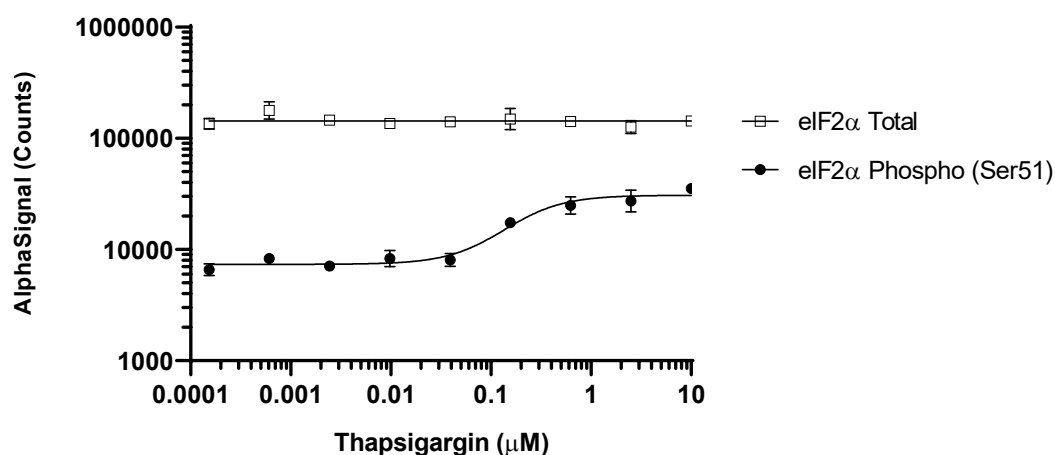
This assay kit contains antibodies which recognize the phospho-Ser51 epitope and a distal epitope on eIF2α. eIF2α is also known as eukaryotic translation initiation factor 2 subunit 1. The protein detected by this kit corresponds to UniProt ID P05198. These antibodies recognize eIF2α of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

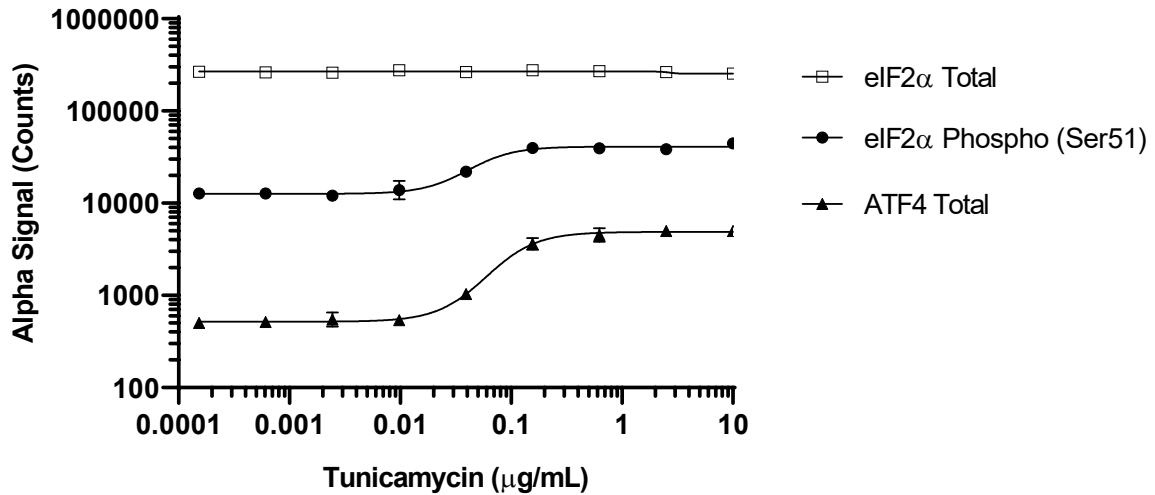
Positive Control Lysate: Prepared from C2C12 cells, cultured to confluence in T175 flasks in 10% FBS containing media, then treated with 100 nM Thapsigargin for 30 minutes and lysed with 4 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. C2C12 cells were plated at 20K cells per well in a 96 well plate and incubated overnight. Cells were treated with Thapsigargin at the indicated concentrations for 1 hour. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser51) and Total eIF2α using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. SH-SY5Y cells were plated at 40K cells per well in a 96 well plate and incubated overnight. Cells were treated with Tunicamycin at the indicated concentrations for 5 hours. Cells were lysed with Lysis Buffer and assayed separately for various targets using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



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