

Alpha SureFire® Ultra™ Multiplex

Human and Mouse p-eIF2α (Ser51) + Total eIF2α Detection Kit

Product number: MPSU-PTEIF2-K500, MPSU-PTEIF2-K10K,
MPSU-PTEIF2-K50K, MPSU-PTEIF2-K-HV



Kit specificity:

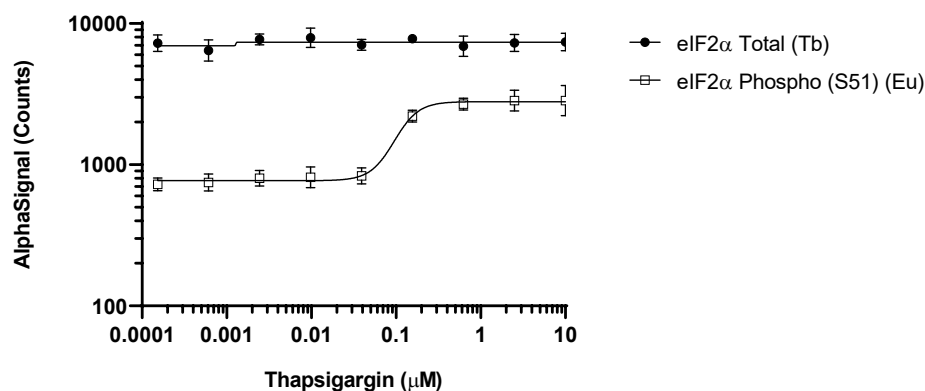
This assay kit contains antibodies which recognize the phospho-Ser51 epitope and a distal epitope eIF2α, plus antibodies to measure the total levels of eIF2α. The protein detected by this kit corresponds to UniProt ID P05198. eIF2α is also known as EIF2A and EIF2S1. These antibodies recognize eIF2α of 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, 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 seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were treated with Thapsigargin at the indicated concentrations for 60 minutes. Cells were lysed with Lysis buffer and assayed for Phospho (Ser51) and Total eIF2α in the same wells of an assay plate using the SureFire Ultra Multiplex kit. Equivalent to approximately 2,000 cells/datapoint.



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