

AlphaLISA® SureFire® Ultra™

Human and Mouse IRE1α Total Detection Kit

Product number: ALSU-TIRE1-A500, ALSU-TIRE1-A10K,
ALSU-TIRE1-A50K, ALSU-TIRE1-A-HV



Kit specificity:

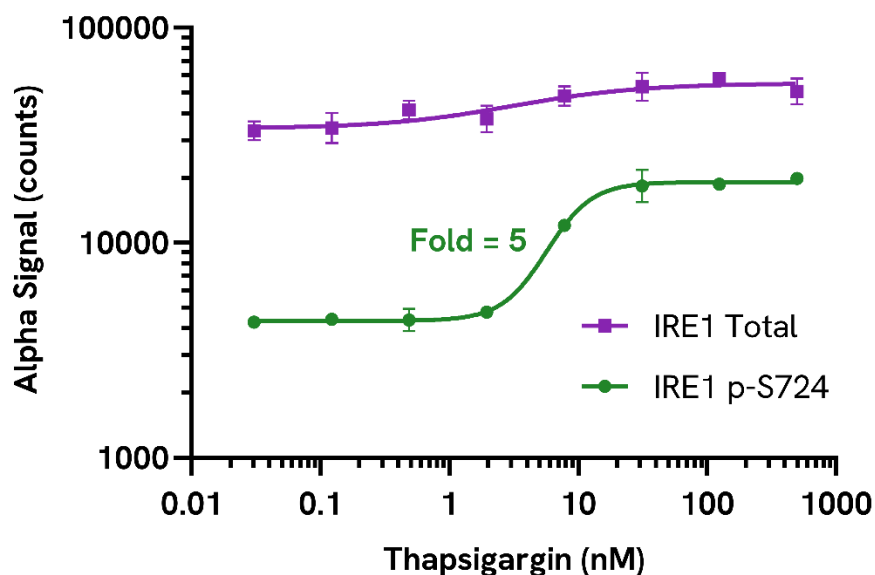
This assay kit contains antibodies which recognize distinct epitopes on IRE1α. The protein detected by this kit corresponds to UniProt ID O75460. IRE1α is also known as Inositol-requiring protein1 and ERN1. These antibodies recognize IRE1α of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

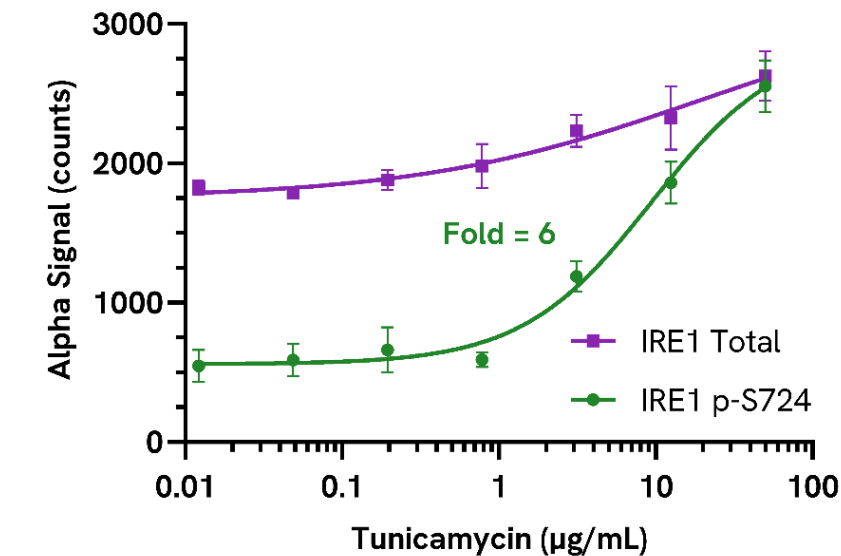
Positive Control Lysate: Prepared from RPMI 8226 cells resuspended in complete medium at 4×10^6 cells/mL and treated with 200 nM Thapsigargin for 4 hours. Cells were spun down at 300 RCF for 5 minutes, washed with HBSS and resuspended at 4×10^6 cells/mL in Lysis Buffer.

Representative data:

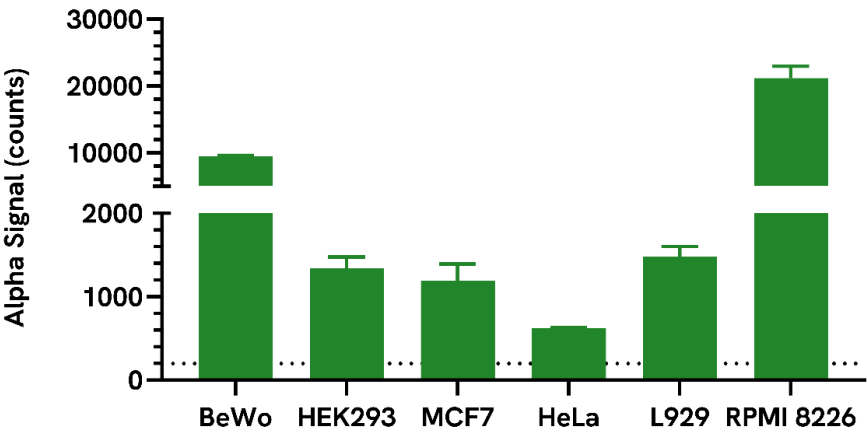
Data obtained with a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 400K cells/well in a 96 well plate and treated with increasing concentrations of Thapsigargin for 4 hours. Cells were spun down at 300 RCF for 5 minutes, washed with HBSS, lysed with Lysis Buffer and assayed separately for Phospho (Ser724) and Total IRE1α using respective SureFire Ultra kits. Equivalent to approximately 40,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. L929 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight and treated with increasing concentrations of Tunicamycin for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser724) and Total IRE1α using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from measurement of IRE1α Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 4,000 cells/datapoint (adherent cells) or 40,000 cells/datapoint (suspension cells).



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