

AlphaLISA® SureFire® Ultra™

Human and Mouse p-IRE1 α (Ser724) Detection Kit

Product number: ALSU-PIRE1-A500, ALSU-PIRE1-A10K,
ALSU-PIRE1-A50K, ALSU-PIRE1-A-HV



Kit specificity:

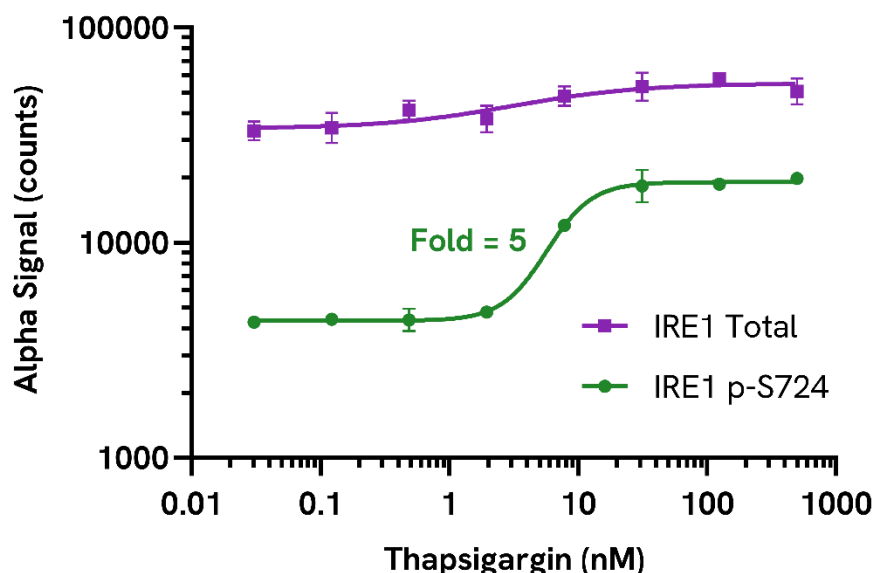
This assay kit contains antibodies which recognize the phospho-Ser724 epitope and a distal epitope on IRE1 α . The protein detected by this kit corresponds to UniProt ID O75460. IRE1 α is also known as Inositol-requiring protein1 and ERN1. These antibodies recognize IRE1 α of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

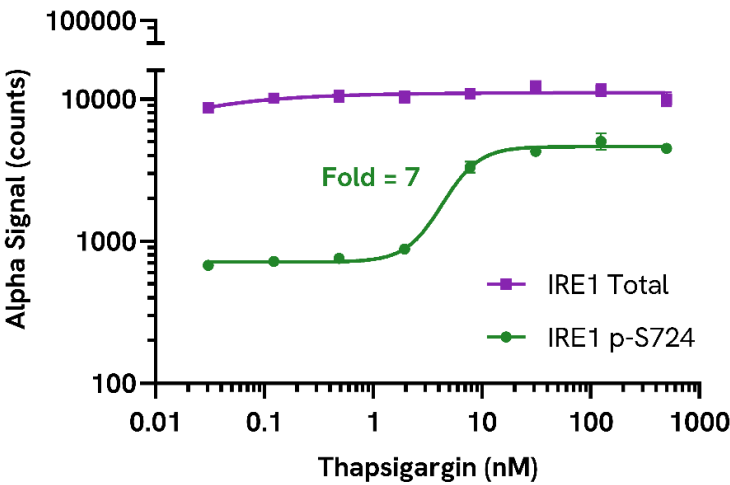
Positive Control Lysate: Prepared from RPMI 8226 cells resuspended in complete medium at 4×10^6 cells/mL and treated with 200 nM Thapsigargin for 4 hours. Cells were then spun down, washed with HBSS and resuspended at 4×10^6 cells/mL in Lysis Buffer.

Representative data:

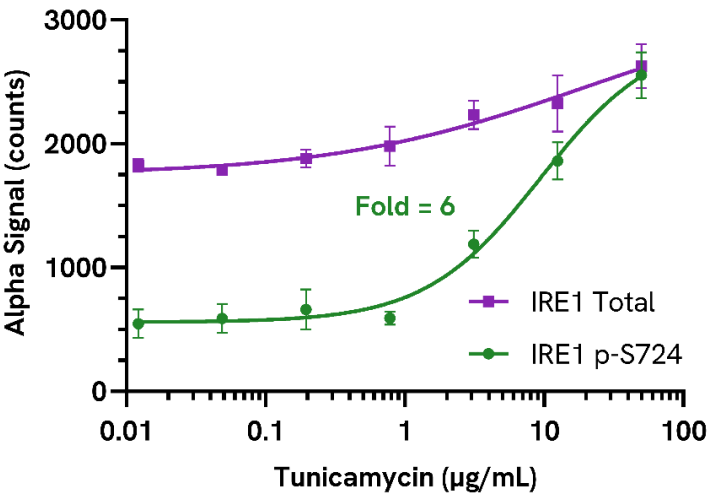
Data obtained with a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 400K cells/well in a 96 well plate and treated with increasing concentrations of Thapsigargin for 4 hours. Cells were spun down at 1200 rpm for 5 minutes, washed with HBSS, lysed with Lysis Buffer and assayed separately for Phospho (Ser724) and Total IRE1 α using respective SureFire Ultra kits. Equivalent to approximately 40,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. BeWo cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of Thapsigargin 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 with a 2-plate, 2-incubation protocol. L929 cells were seeded at 40K cells/well in a 96 well plate 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.



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF"

