

AlphaLISA® SureFire® Ultra™

Human IRAK1/IRAK4 Complex Detection Kit

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



Kit specificity:

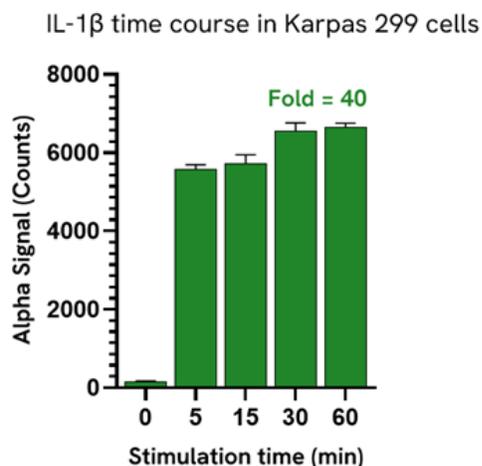
This assay kit contains antibodies which recognize distinct epitopes on IRAK1 and IRAK4. The protein detected by this kit corresponds to UniProt ID's P51617 (IRAK1) and Q9NWZ3 (IRAK4) and a positive signal will only be achieved when the IRAK1 and IRAK4 proteins are complexed together. These antibodies recognize IRAK1/IRAK4 Complex of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

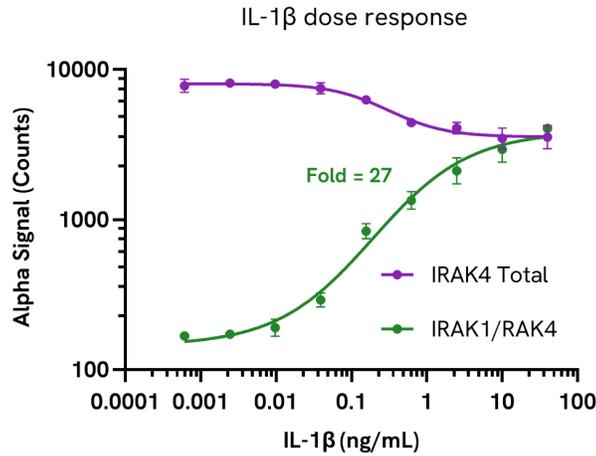
Positive Control Lysate: Prepared from Karpas 299 cells prepared at 2×10^6 cells/mL and stimulated with 10 ng/ml IL-1 β for 10 minutes in HBSS + 0.1% BSA. Cells were lysed with the addition of 5X Lysis Buffer.

Representative data:

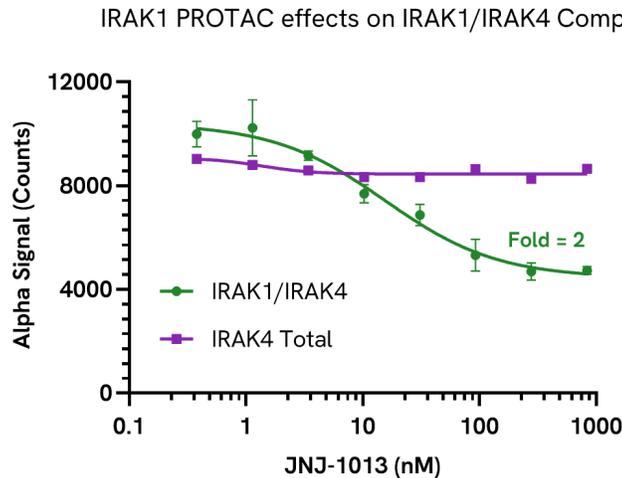
Data obtained with a 2-plate, 2-incubation protocol. Karpas 299 cells were harvested, seeded in a 96-well plate at 400,000 cells/well and treated with 10 ng/mL IL-1 β for the indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed for IRAK1/IRAK4 Complex using the *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Karpas 299 cells were harvested, seeded in a 96-well plate at 400,000 cells/well and treated with increasing concentrations of IL-1 β for 10 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for IRAK1/IRAK4 Complex and IRAK4 Total using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Karpas 299 cells were harvested, seeded in a 96-well plate at 100,000 cells/well in DMEM complete medium. Cells were treated with increasing concentrations of IRAK1 PROTAC JN-1013 for 18 hours and then treated with 10 ng/mL IL-1 β for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for IRAK1/IRAK4 Complex and IRAK4 Total using respective *SureFire Ultra* kits. Equivalent to approximately 10,000 cells/datapoint.



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