

AlphaLISA® SureFire® Ultra™

Human IRAK1 Dimer Detection Kit

Product number: ALSU-AIRAK1-A500, ALSU-AIRAK1-A10K,
ALSU-AIRAK1-A50K, ALSU-AIRAK1-A-HV



Kit specificity:

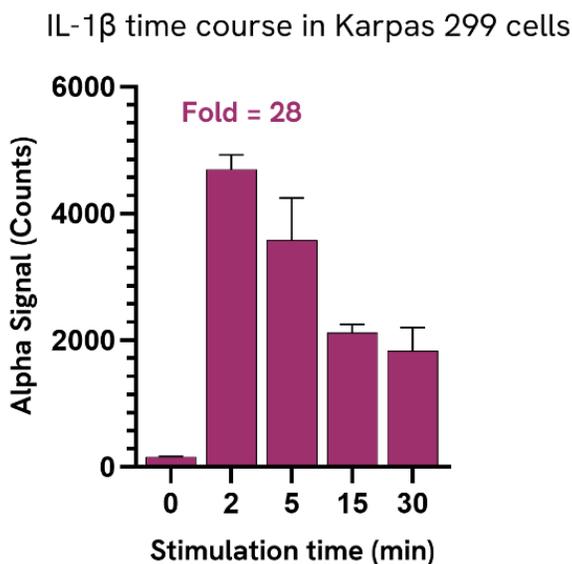
This assay kit contains antibodies which recognize IRAK1 in a dimer form. The protein detected by this kit corresponds to UniProt ID P51617. IRAK1 is also known as Interleukin-1 receptor-associated kinase 1. These antibodies recognize IRAK1 Dimer of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

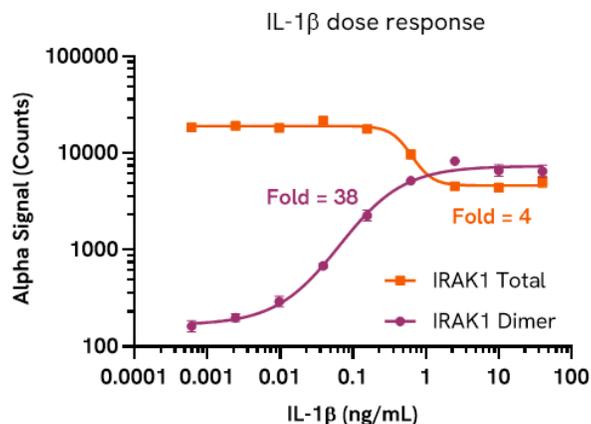
Positive Control Lysate: Prepared from Karpas 299 cells prepared at 2×10^6 cells/mL and stimulated with 10 ng/ml IL-1 β for 10 minutes in HBSS + 0.1% BSA. Cells were lysed with the addition of 5X Lysis Buffer.

Representative data:

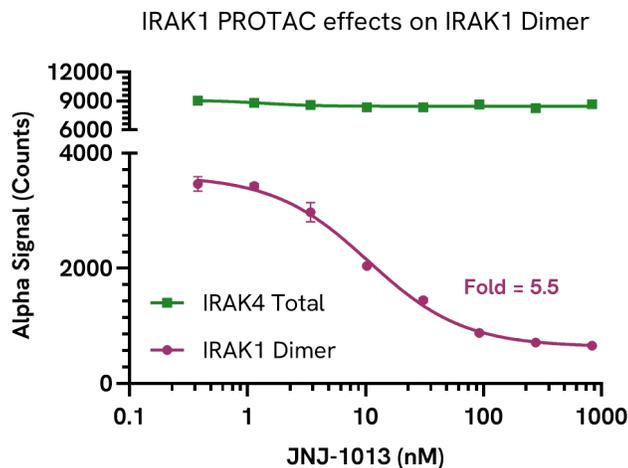
Data obtained with a 2-plate, 2-incubation protocol. Karpas 299 cells were harvested, seeded in a 96-well plate at 400,000 cells/well and treated with 10 ng/mL IL-1 β for the indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed for IRAK1 Dimer using the *SureFire Ultra*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



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