

AlphaLISA® SureFire® Ultra™

## Human IRAK4/MyD88 Complex Detection Kit

**Product number:** ALSU-CIR4MYD-A500, ALSU-CIR4MYD-A10K,  
ALSU-CIR4MYD-A50K, ALSU-CIR4MYD-A-HV



### **Kit specificity:**

This assay kit contains antibodies which recognize distinct epitopes on IRAK4 and MyD88. The protein detected by this kit corresponds to UniProt ID's Q9NWZ3 (IRAK4) and Q99836 (MyD88) and a positive signal will only be achieved when the IRAK4 and MyD88 proteins are complexed together. These antibodies recognize IRAK4/MyD88 Complex of human origin. Other species should be tested on a case-by-case basis.

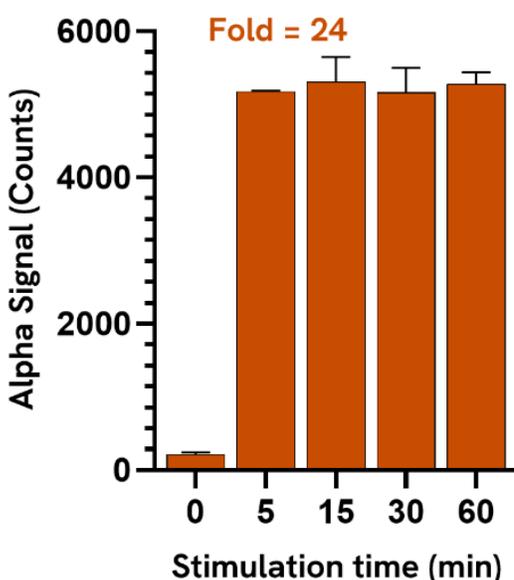
### **Control lysate information:**

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

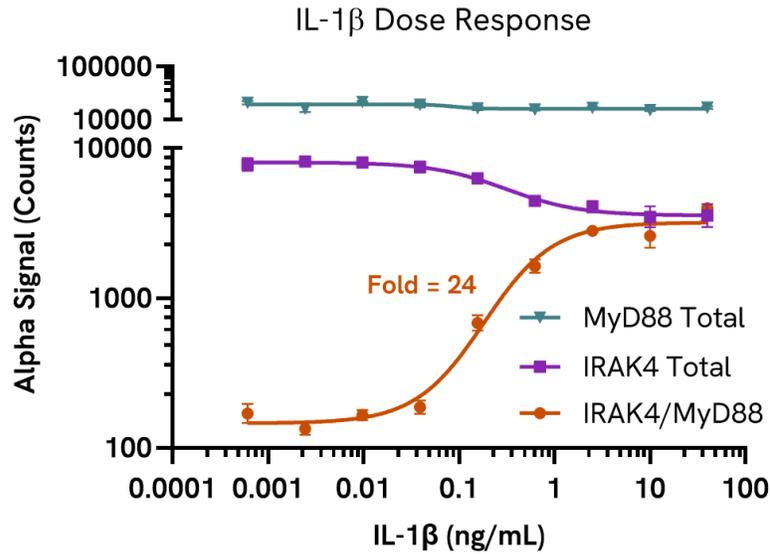
### **Representative data:**

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 $\beta$  for the indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed for IRAK4/MyD88 Complex using the *SureFire Ultra* kit. Equivalent to approximately 16,000 cells/datapoint.

IL-1b Time Course in Karpas 299 cells



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 $\beta$  for 10 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for IRAK4/MyD88 Complex, IRAK4 Total and MyD88 Total using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint.



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