

AlphaLISA® SureFire® Ultra™

Human and Mouse p-IRAK4 (Thr345/Ser346) Detection Kit

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



Kit specificity:

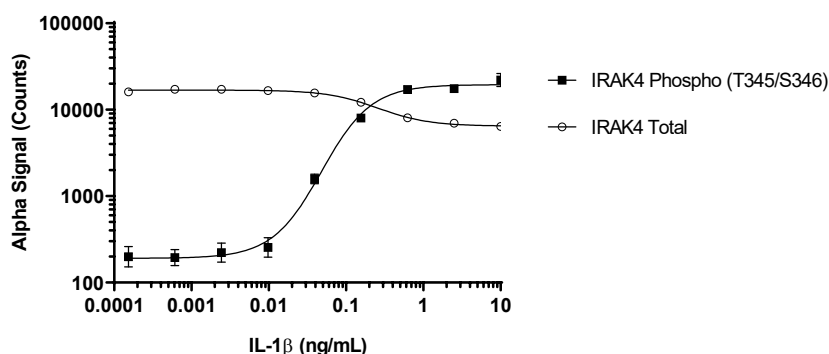
This assay kit contains antibodies which recognize the phospho-Thr345/Ser346 epitope and a distal epitope on IRAK4. The protein detected by this kit corresponds to UniProt ID Q9NWZ3. IRAK4 is also known as Interleukin-1 receptor associated kinase 4. These antibodies recognize IRAK4 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from KARPAS 299 cells cultured in 10% FBS containing media. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 2×10^6 cells/mL and then treated with 10 ng/mL IL-1 β for 10 minutes. Cells were spun down at 300 RCF for 5 minutes and lysed in Lysis Buffer at 1×10^6 cells/mL.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. Karpas299 cells were seeded at 200K cells/well in 10% FBS containing medium and grown for 24 hours. Cells were harvested, washed in HBSS + 0.1% BSA and plated at 200K cells/well in a 96 well plate. Cells were treated with IL-1 β at the indicated concentrations for 10 minutes. Cells were lysed with 5x Lysis Buffer. and assayed separately for Phospho (Thr345/Ser346) and Total IRAK4 using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



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