

AlphaLISA® SureFire® Ultra™

Human and Mouse IRAK4 Total Detection Kit

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



Kit specificity:

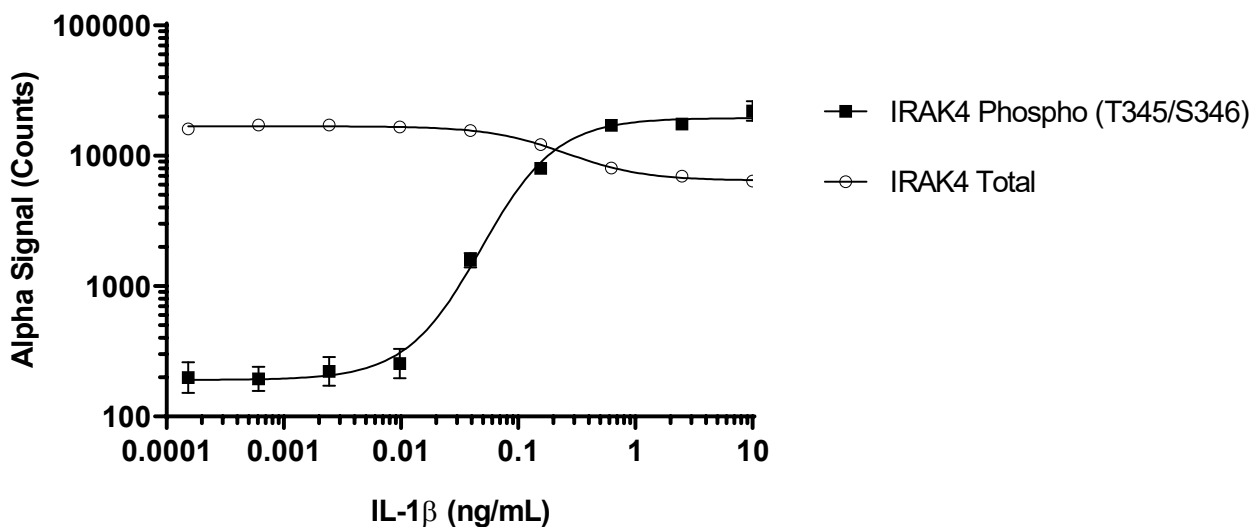
This assay kit contains antibodies which recognize distinct epitopes on IRAK4. The protein detected by this kit corresponds to UniProt ID Q9NWZ3. IRAK4 is also known as Interleukin-1 receptor-associated kinase. These antibodies recognize IRAK4 of human and mouse origin. Other species should be tested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

Control lysate information:

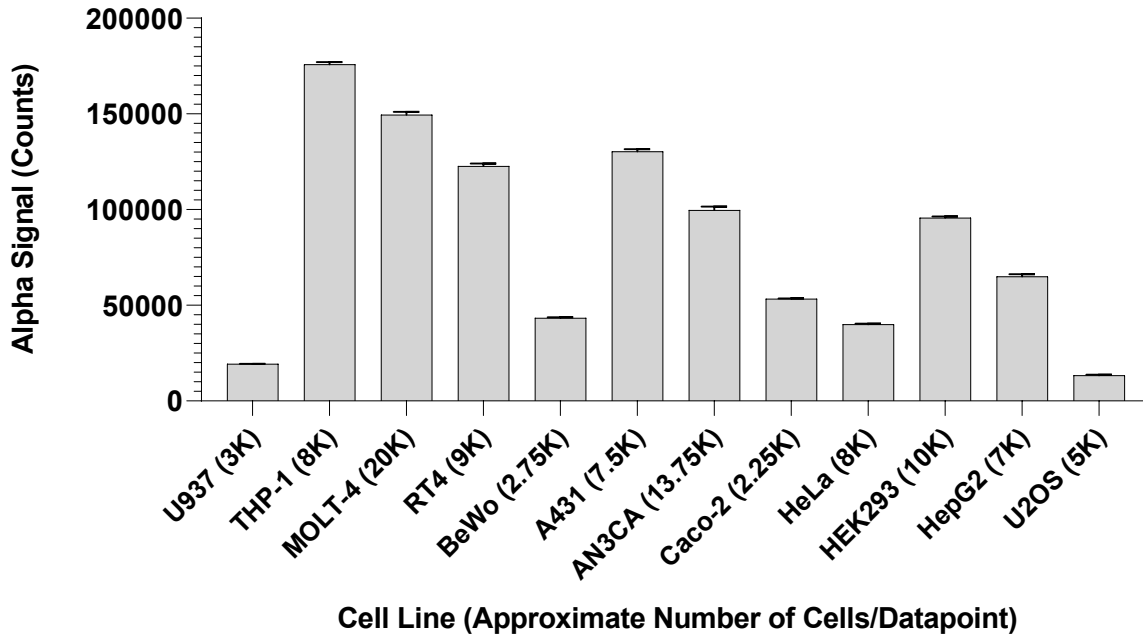
Positive Control Lysate: Prepared from THP-1 cells cultured in T175 flasks to 1 x 10⁶ cells/mL in medium containing 10% FBS, washed with HBSS and lysed with Lysis buffer at a final cell concentration of 2 x 10⁶ cells/mL.

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-1β 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.



Data obtained from measurement of IRAK4 Total in various cell types lysed with Lysis Buffer. Approximate number of cells/datapoint is indicated for the various cell lines.



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