

AlphaLISA™ SureFire® Ultra™ Multiplex Biotin Free

Human p-IRF5 (Ser446) + Total Detection Kit

Product number: MSBF-PTIRF5-K500, MSBF-PTIRF5-K10K,
MSBF-PTIRF5-K50K, MSBF-PTIRF5-K-HV



Kit specificity:

This assay kit contains antibodies which recognize the phospho-Ser446 epitope and a distal epitope on IRF5, plus antibodies to detect Total IRF5. IRF5 is also known as interferon regulatory factor 5. The protein detected by this kit corresponds to UniProt ID Q13568. These antibodies recognize IRF5 of human origin and are predicted to recognize IRF5 of mouse origin. Other species should be tested on a case-by-case basis.

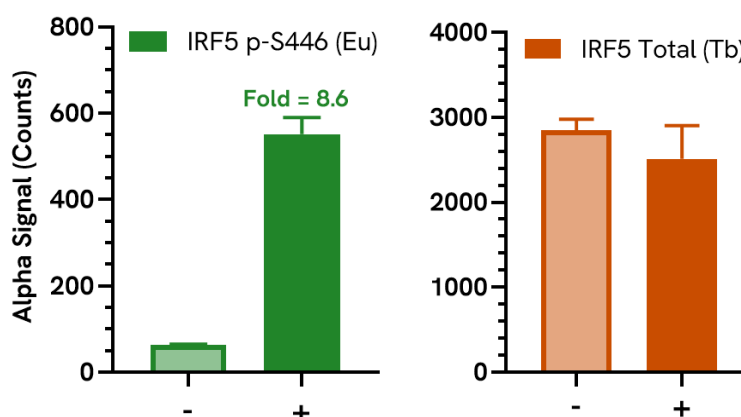
Control lysate information:

Positive Control Lysate: Prepared from THP-1 cells, treated with 100 nM Calyculin A for 3 hours. Cells were washed in HBSS and lysed in Lysis Buffer to a final cell density of 8×10^6 cells/mL.

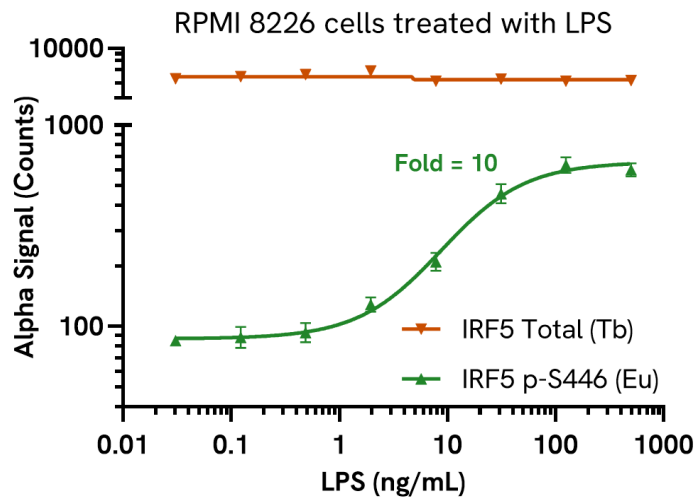
Representative data:

Data obtained using a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate. Cells were treated with 20 μ M of TLR7/8 agonist, R848 for 2 hours. Cells were lysed with Lysis Buffer and assayed for both Phospho IRF5 (Ser446) and Total IRF5 in the same wells of an assay plate using the SureFire Multiplex Biotin Free kit. Equivalent to approximately 40,000 cells/datapoint.

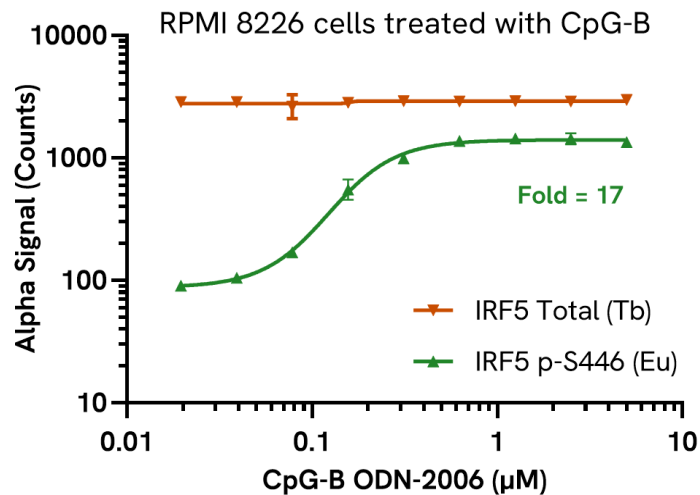
RPMI 8226 cells treated with R848



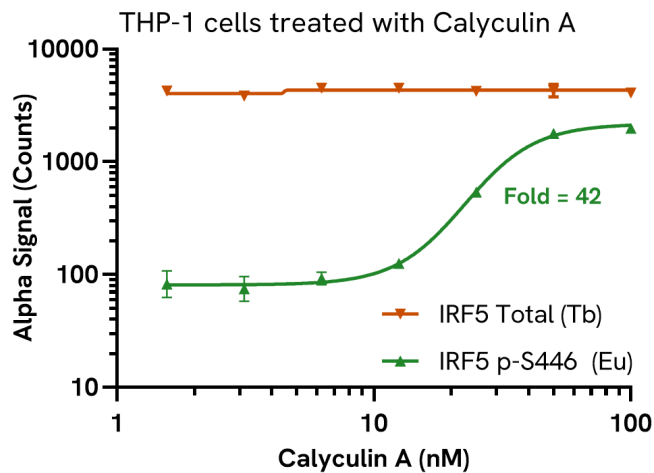
Data obtained using a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate. Cells were treated with increasing concentrations of LPS for 4 hours. Cells were lysed with Lysis Buffer and assayed for both Phospho IRF5 (Ser446) and Total IRF5 in the same wells of an assay plate using the *SureFire* Multiplex Biotin Free kit. Equivalent to approximately 30,000 cells/datapoint.



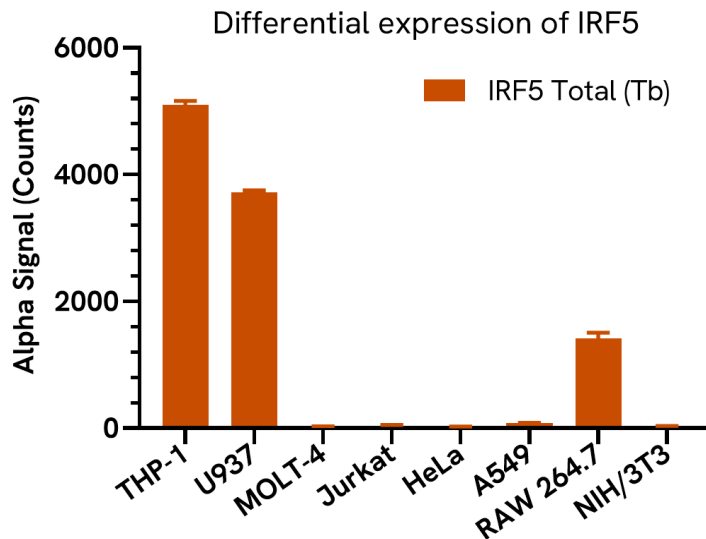
Data obtained using a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate. Cells were treated with increasing concentrations of CpG-B ODN 2006 for 2 hours. Cells were lysed with Lysis Buffer and assayed for both Phospho IRF5 (Ser446) and Total IRF5 in the same wells of an assay plate using the *SureFire* Multiplex Biotin Free kit. Equivalent to approximately 40,000 cells/datapoint.



Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well in a 96-well plate. Cells were treated with increasing concentrations of Calyculin A for 3 hours. Cells were lysed with Lysis Buffer and assayed for both Phospho IRF5 (Ser446) and Total IRF5 in the same wells of an assay plate using the *SureFire* Multiplex Biotin Free kit. Equivalent to approximately 20,000 cells/datapoint.



Data obtained from measurement of IRF5 Total in various cell types lysed with Lysis Buffer using the *SureFire* Multiplex Biotin Free assay. Equivalent to approximately 20,000 cells/datapoint.



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