

AlphaLISA® SureFire® Ultra™

Human IRF1 Total Detection Kit

Product number: ALSU-TIRF1-A500, ALSU-TIRF1-A10K,
ALSU-TIRF1-A50K, ALSU-TIRF1A-HV



Kit specificity:

This assay kit contains antibodies which recognize distinct epitopes on IRF1. The protein detected by this kit corresponds to UniProt ID P10914. IRF1 is also known as interferon regulatory factor 1. These antibodies recognize IRF1 of human origin. Other species should be tested on a case-by-case basis.

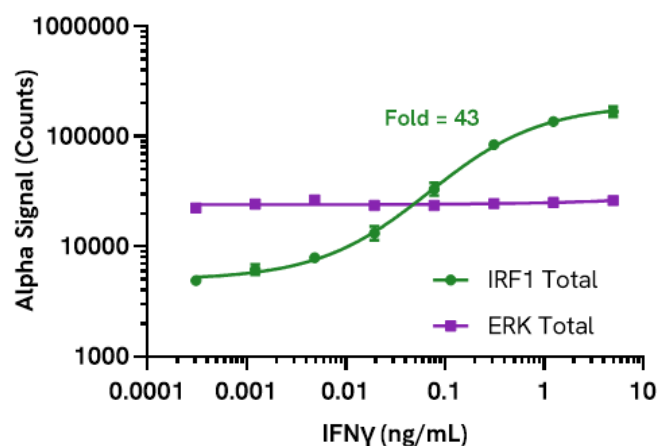
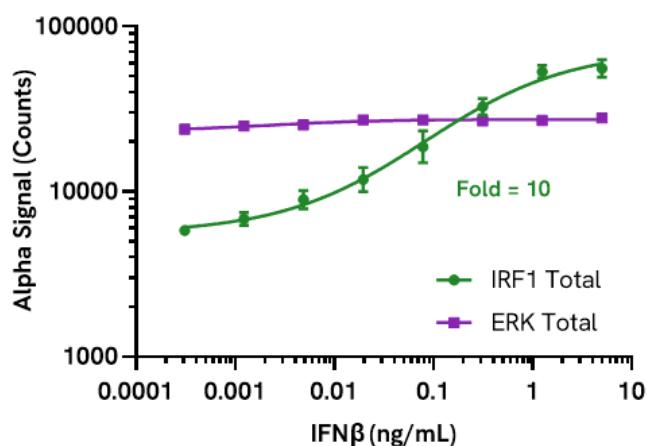
Control lysate information:

Positive Control Lysate: Prepared from THP-1 cells, cultured in T175 flasks with 10% FBS containing medium. Cells were treated with 10 ng/mL IFN γ for 4 hours, washed with HBSS and lysed at 2×10^6 cells/mL in Lysis Buffer.

Representative data:

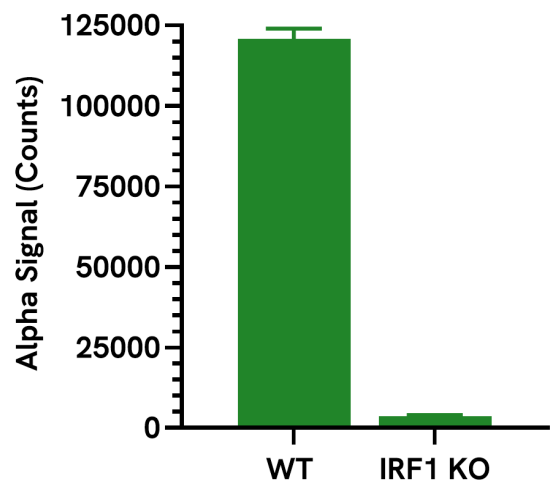
Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well in a 96-well plate. Cells were treated with increasing concentrations of IFN β or IFN γ for 4 hours. Cells were washed with HBSS, lysed with Lysis Buffer and assayed separately for Total IRF1 and Total ERK using respective *SureFire Ultra* kits. Equivalent to approximately 20,000 cells/datapoint.

THP-1 cells treated with Type I or Type II interferons



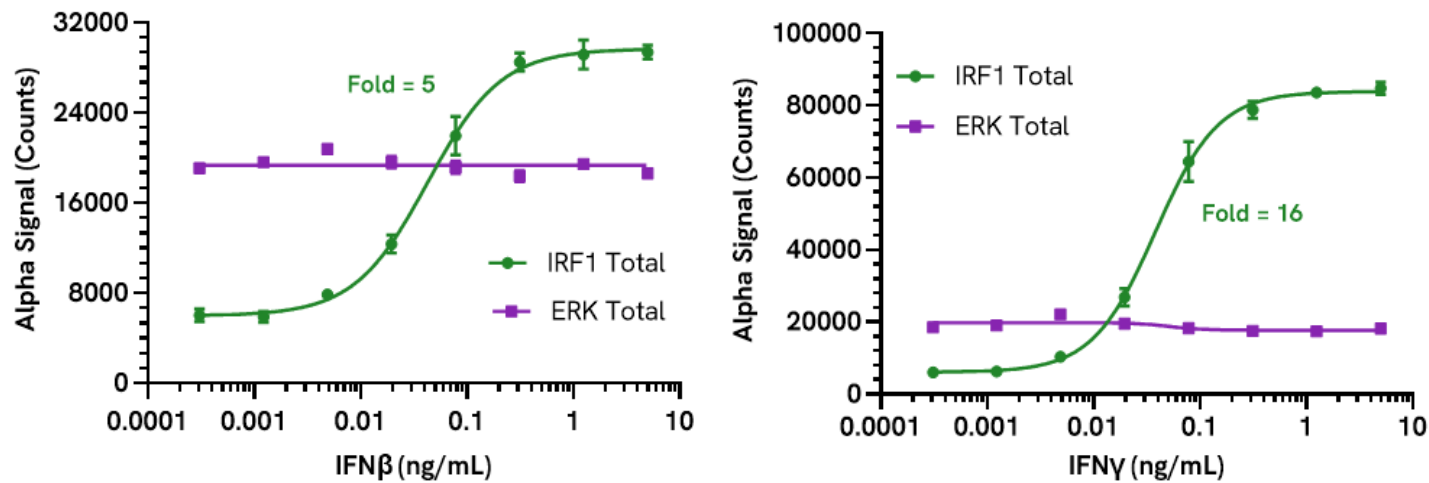
A549 wild type (WT) and IRF1 KO (Abcam ab267042) cells were cultured to confluency in T175 flasks in 10% FBS containing medium. Cells were treated with 10 ng/mL IFN β for 4 hours and then lysed in 6 mL of Lysis Buffer. Total IRF1 levels were evaluated using the *SureFire Ultra* kit. Equivalent to approximately 20,000 cells/datapoint.

IRF1 knockout validation

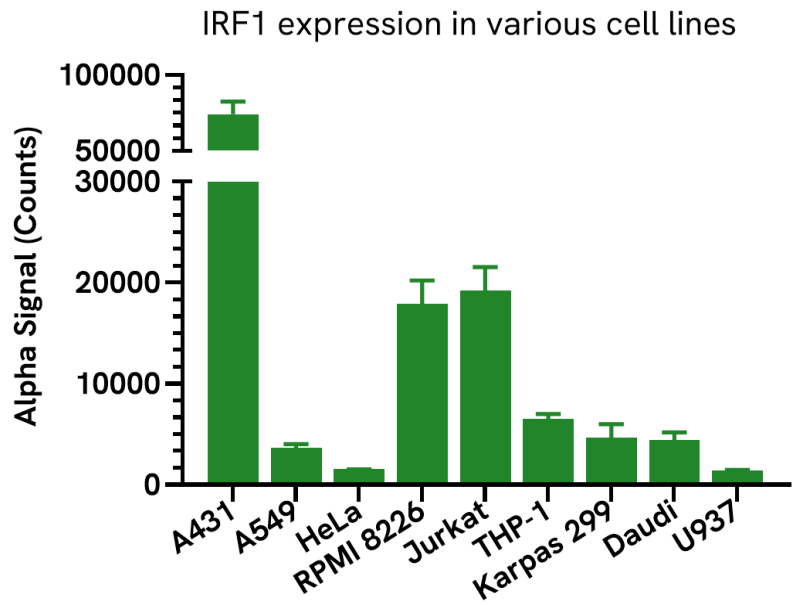


Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of IFN β or IFN γ for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Total IRF1 and Total ERK using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.

A431 cells treated with Type I or Type II interferons



Data obtained from measurement of IRF1 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 20,000 cells/datapoint.



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