

AlphaLISA™ SureFire® Biotin Free

Human and Mouse ATF-3 Total Detection Kit

Product number: ASBF-TATF3-A500, ASBF-TATF3-A10K,
ASBF-TATF3-A50K, ASBF-TATF3-A-HV



Kit specificity:

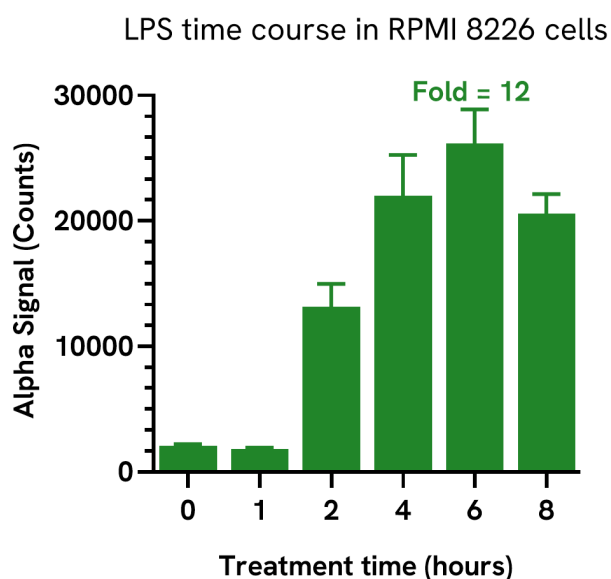
This assay kit contains antibodies that recognize distinct epitopes on ATF-3. The protein detected by this kit corresponds to UniProt ID P18847. ATF-3 is also known as Activating transcription factor 3 and cyclic AMP-dependent transcription factor ATF-3. These antibodies recognize ATF-3 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

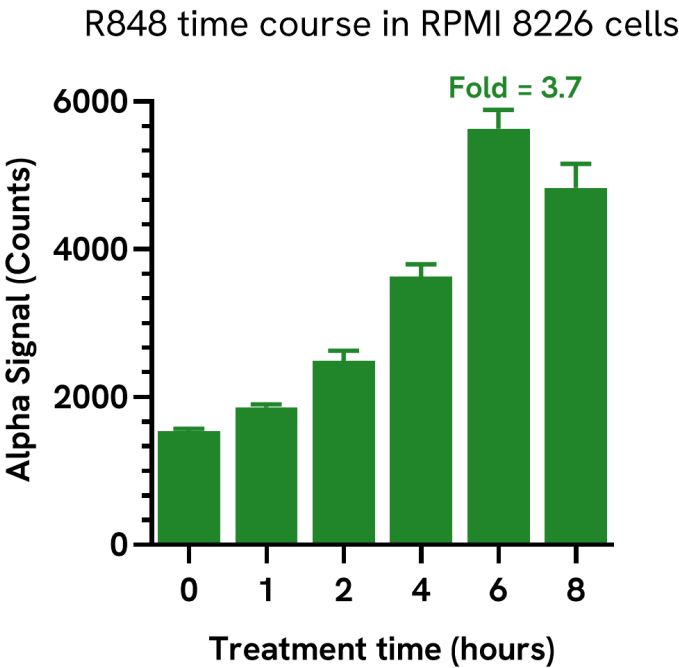
Positive Control Lysate: Prepared from HCT-116 cells, cultured to confluence in T175 flasks in 10% FBS containing media and lysed with 3 mL of Lysis Buffer.

Representative data:

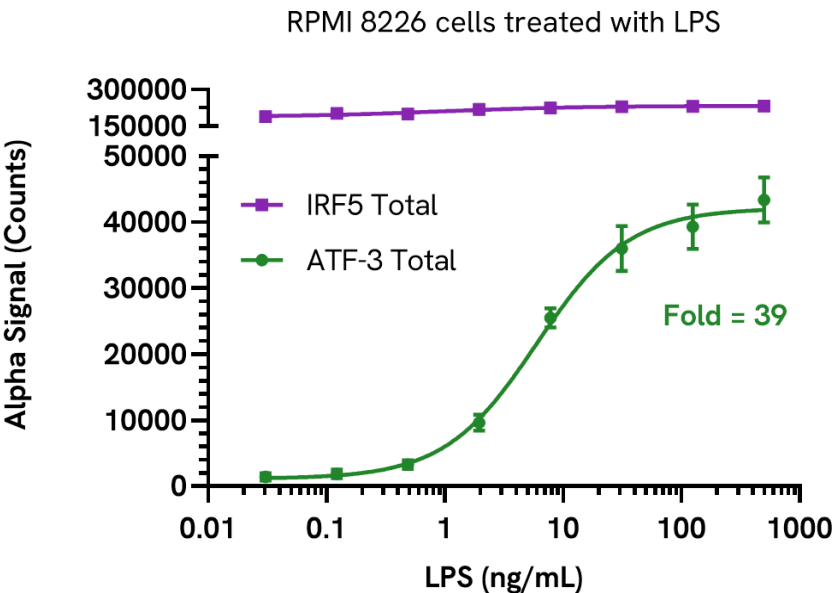
Data obtained with a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate and treated with 1 µg/mL of LPS for indicated time points. Cells were spun down, lysed with Lysis Buffer and assayed for Total ATF-3 using the SureFire Biotin Free kit. Equivalent to approximately 30,000 cells/datapoint.



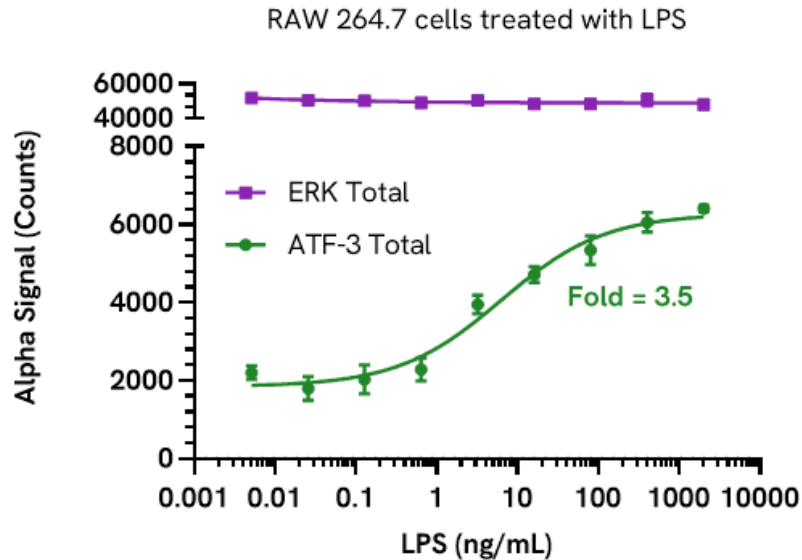
Data obtained with a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate and treated with 5 μ M of TLR7/8 agonist R848 for indicated time points. Cells were spun down, lysed with Lysis Buffer and assayed for Total ATF-3 using the *SureFire* Biotin Free kit. Equivalent to approximately 40,000 cells/datapoint.



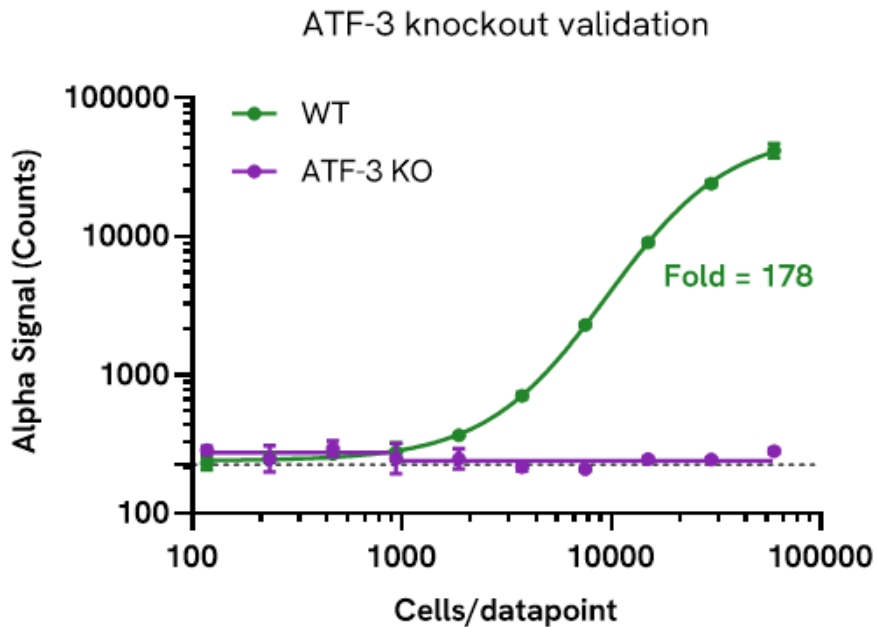
Data obtained with a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well in a 96-well plate and treated with increasing concentrations of LPS for 4 hours. After treatment cells were spun down and lysed with Lysis Buffer and assayed separately for Total ATF-3 and IRF5 using respective *SureFire* Biotin Free kits. Equivalent to approximately 30,000 cells/datapoint.



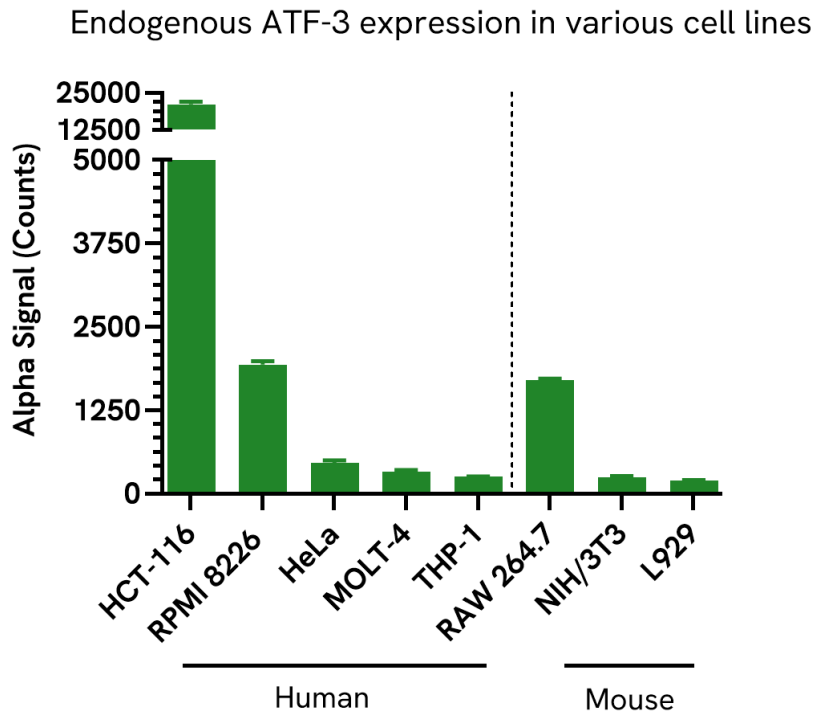
Data obtained with a 2-plate, 2-incubation protocol. RAW264.7 cells were seeded at 60K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of LPS for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Total ATF-3 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 20,000 cells/datapoint for ATF-3 and 6,000 cells/datapoint for ERK.



HCT-116 wild type (WT) and HCT-116 ATF-3 knockout (Abcam ab266872) cells were cultured to confluency in T175 flask. Each flask was lysed with 4 mL of Lysis Buffer and lysate dilutions were assayed for ATF-3 using the *SureFire* Biotin Free kit.



Data obtained from measurement of ATF-3 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 20,000 cells/datapoint for adherent and 16,000 cells/datapoint for suspension cells.



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