

AlphaLISA™ SureFire® Biotin Free

Mouse NLRP3 Total Detection Kit

Product number: ASBF-TNLRP3-B500, ASBF-TNLRP3-B10K,
ASBF-TNLRP3-B50K, ASBF-TNLRP3-B-HV



Kit specificity:

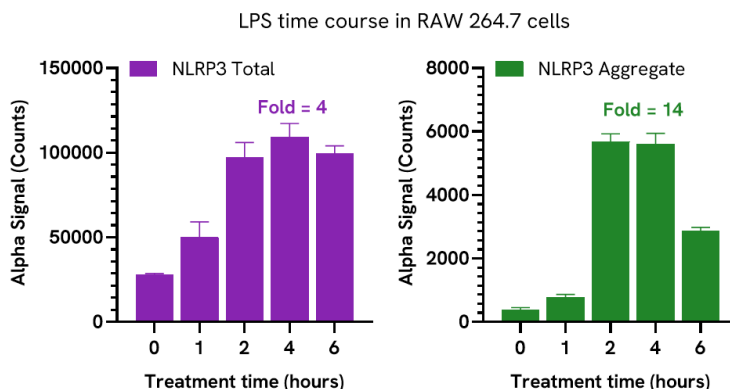
This assay kit contains antibodies which recognize distinct epitopes on NLRP3. The protein detected by this kit corresponds to UniProt ID Q8R4B8. NLRP3 is also known as Cryopyrin and PYD domains-containing protein 3. These antibodies recognize NLRP3 of mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

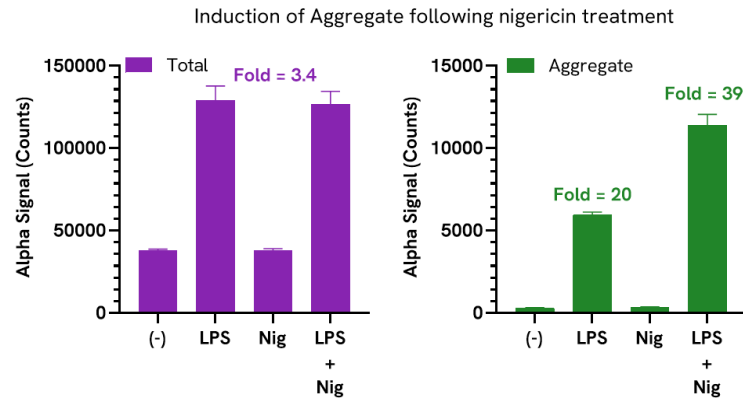
Positive Control Lysate: Prepared from RAW 264.7 cells cultured to confluence in T175 flasks in 10% FBS containing medium. Cells were treated with 500 ng/mL LPS for 4 hours and lysed in 3 mL Lysis Buffer.

Representative data:

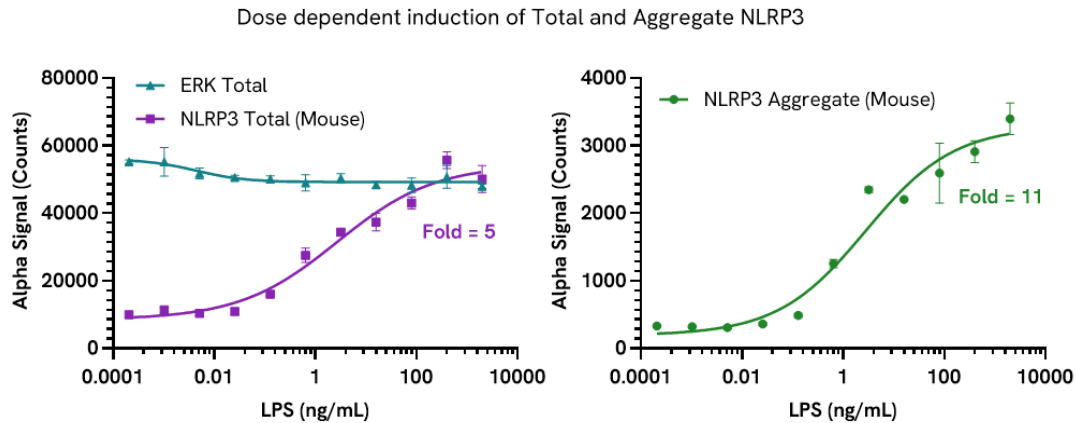
Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 60K cells/well in a 96 well plate and incubated for 48 hours. Cells were treated with 500 ng/mL LPS for the indicated time points. Cells were lysed with Lysis Buffer and assayed separately for Total and Aggregate NLRP3 using respective *SureFire* Biotin Free kits. Equivalent to approximately 1,200 cells/datapoint (Total) or 40,000 cells/datapoint (Aggregate).



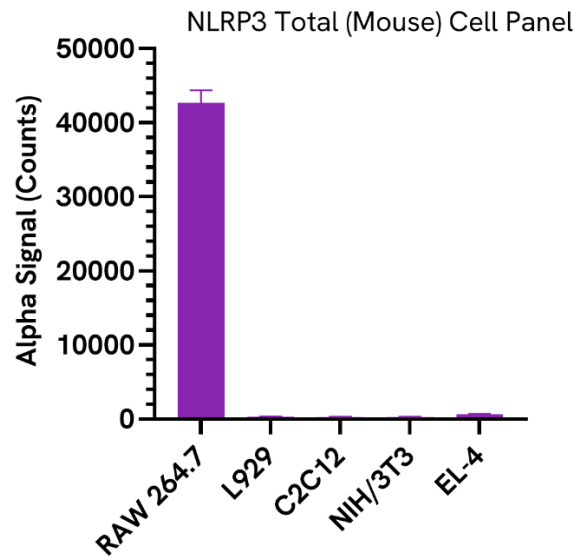
Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded in T25 flasks and cultured to 90% confluency in complete medium. Cells were untreated or treated with LPS (500 ng/mL, 4h), Nigericin (10 μ M, 1h) or LPS + Nigericin (LPS 4h + Nig 1h). Cells were lysed with Lysis Buffer and assayed separately for Total and Aggregate NLRP3 using respective *SureFire* Biotin Free kits. Equivalent to approximately 5,000 cells/datapoint (Total) or 25,000 cells/datapoint (Aggregate).



Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 60K cells/well in a 96 well plate and incubated for 24 hours. Cells were treated with increasing concentrations of LPS for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Total and Aggregate NLRP3, and ERK Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 1,200 cells (Total NLRP3), 40,000 cells (Aggregate), or 12,000 cells/datapoint (Total ERK).



Data obtained from measurement NLRP3 in various cell types lysed with Lysis Buffer. Equivalent to approximately 4,000 adherent or 40,000 suspension cells/datapoint.



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