TECHNICAL DATA SHEET

Research use only. Not for use in diagnostic procedures.

AlphaLISA™ *SureFire*® Biotin Free

Human ADAR1 p150 Total Detection Kit

Product number: ASBF-TADAR1-B500, ASBF-TADAR1-B10K, ASBF-TADAR1-B50K, ASBF-TADAR1-B-HV

Kit specificity:

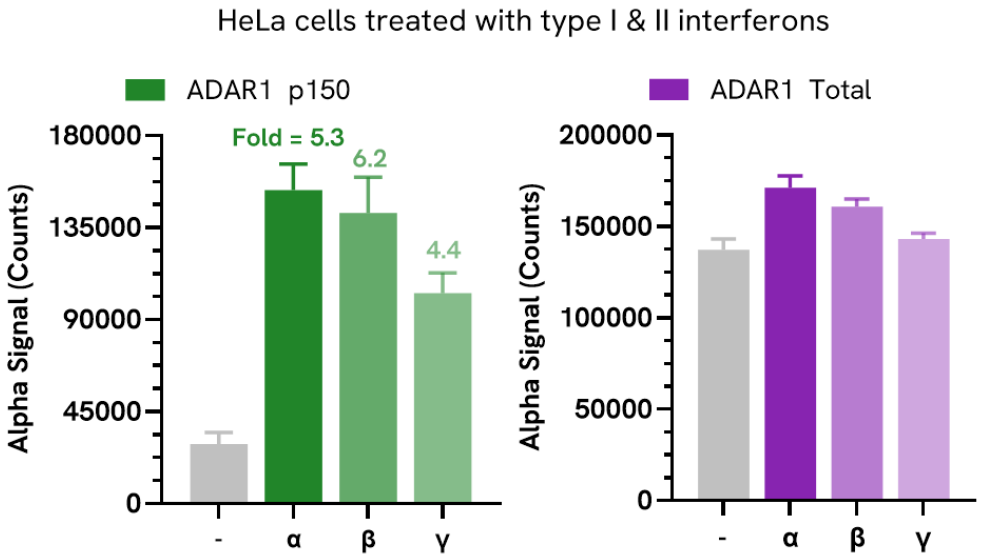
This assay kit contains antibodies which recognize a specific ADAR1 p150 isoform epitope and a distal epitope on ADAR1. The protein detected by this kit corresponds to UniProt ID P55265-1. ADAR1 p150 is also known as ADAR1L and ADAR-a. These antibodies recognize ADAR1 p150 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

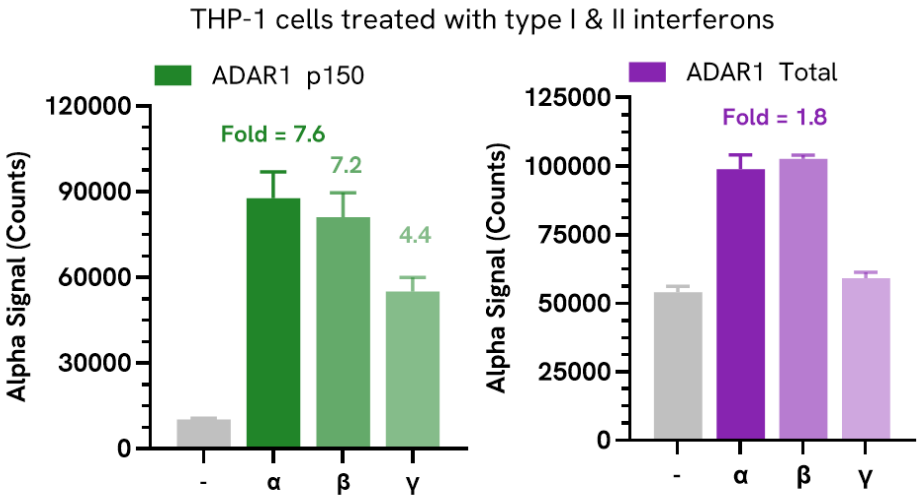
Positive Control Lysate: Prepared from THP-1 cells lysed at a density of 3.2 x 10^6 cells/mL with Lysis Buffer.

Representative data:

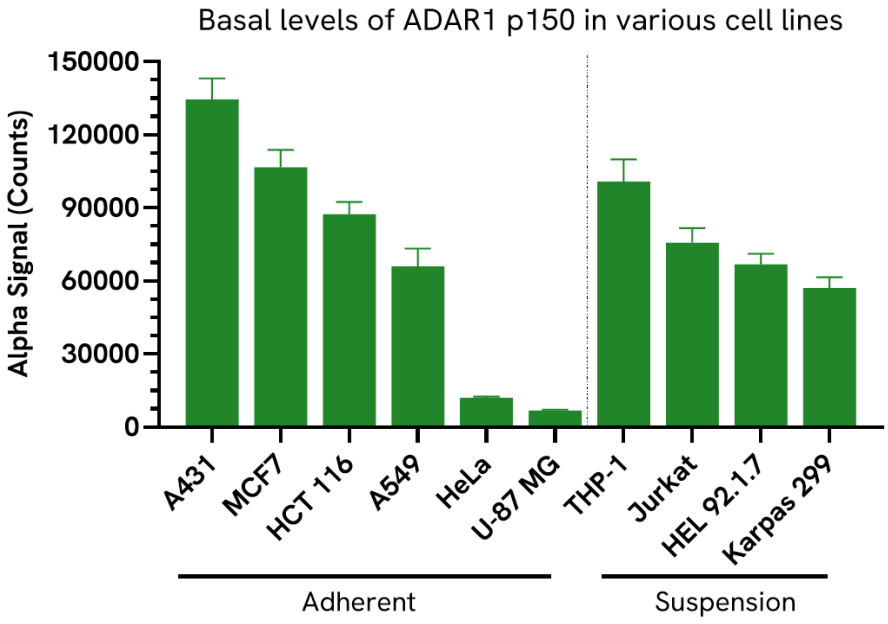
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were left untreated or treated with 100 ng/mL interferon α, β or γ for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total ADAR1 and ADAR1 p150 using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 100K cells/well in a 96 well plate. Cells were left untreated or treated with 20 ng/mL interferon α, β or γ for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total ADAR1 and ADAR1 p150 using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from measurement of ADAR1 p150 in various cell types lysed with Lysis Buffer. Equivalent to approximately 5,000 cells/datapoint for adherent cells or 4,000 cells/datapoint for suspension cells.



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