

AlphaLISA™ SureFire® Biotin Free

Human and Mouse NEK7 Total Detection Kit

Product number: ASBF-TNEK7-A500, ASBF-TNEK7-A10K,
ASBF-TNEK7-A50K, ASBF-TNEK7-A-HV



Kit specificity:

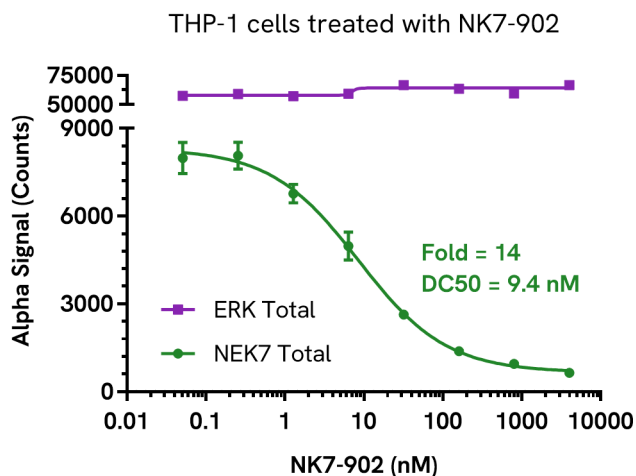
This assay kit contains antibodies that recognize distinct epitopes on NEK7. The protein detected by this kit corresponds to UniProt ID Q8TDX7. NEK7 is also known as Never in mitosis A-related kinase 7. These antibodies recognize NEK7 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

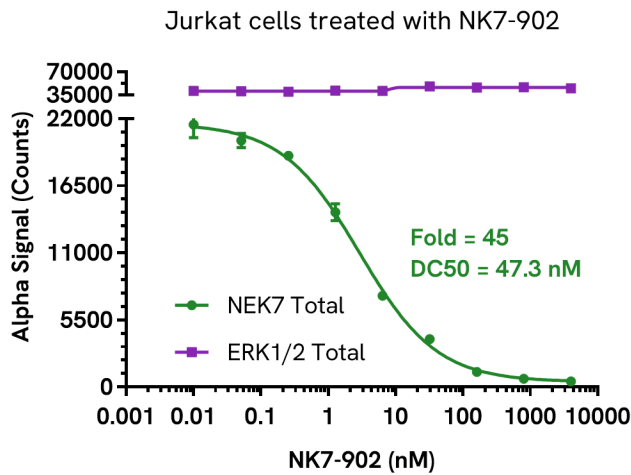
Positive Control Lysate: Prepared from untreated Jurkat cells cultured in 10% FBS containing media and lysed with Lysis Buffer at a final density of 3×10^6 cells/mL.

Representative data:

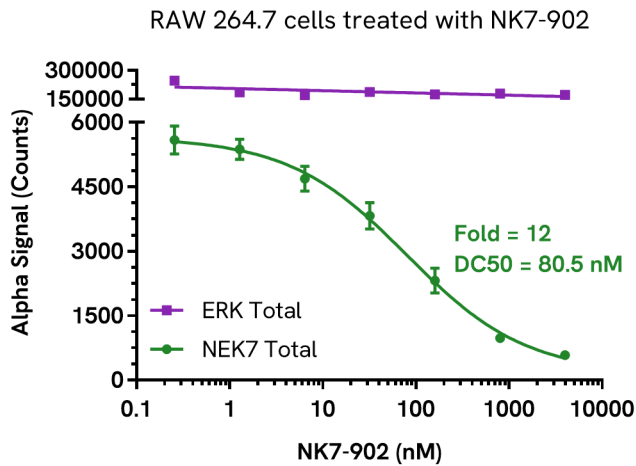
Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 100K cells/well in a 96-well plate and then treated with increasing concentrations of NK7-902 for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for NEK7 and ERK Total using respective SureFire Biotin Free kits. Equivalent to approximately 10,000 cells/datapoint.



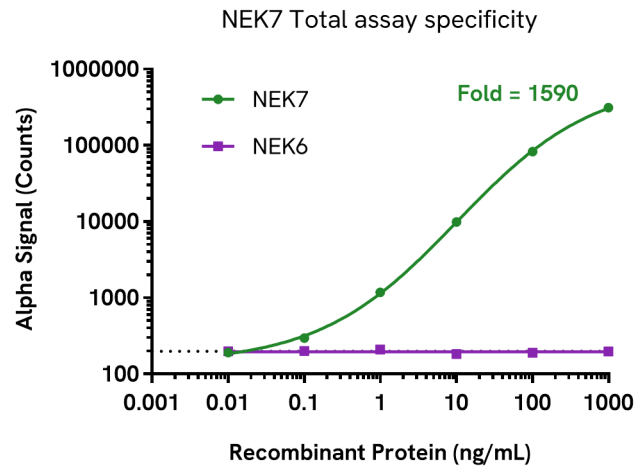
Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 100K cells/well in a 96-well plate and then treated with increasing concentrations of NK7-902 for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for NEK7 and ERK Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 10,000 cells/datapoint.



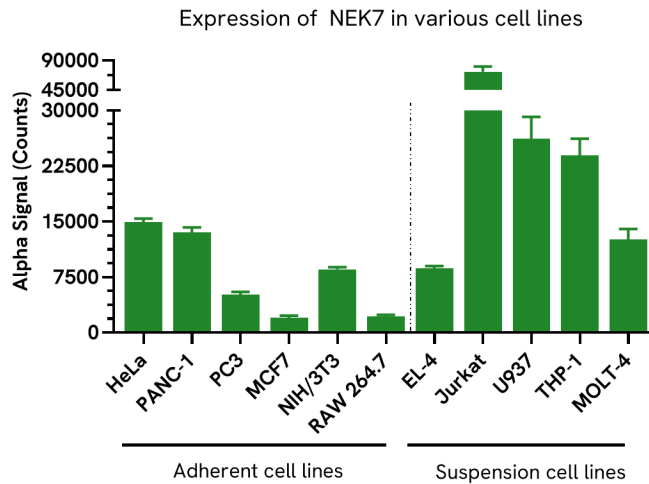
Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of NK7-902 for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for NEK7 and ERK Total levels using respective *SureFire* Biotin Free kits. Equivalent to approximately 10,000 cells/datapoint.



NEK6 and NEK7 recombinant human proteins were serially diluted in Lysis Buffer and evaluated using the NEK7 Total SureFire Biotin Free kit. No cross-reactivity against NEK6 was observed despite sharing up to 81% identity with NEK7.



Data obtained from measurement of NEK7 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 4,000 cells/datapoint for adherent cells or 40,000 cells/datapoint for suspension cells.



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF"

