

AlphaLISA® SureFire® Ultra™

Human and Mouse NRAS Total Detection Kit

Product number: ALSU-TNRAS-A500, ALSU-TNRAS-A10K,
ALSU-TNRAS-A50K, ALSU-TNRAS-A-HV



Kit specificity:

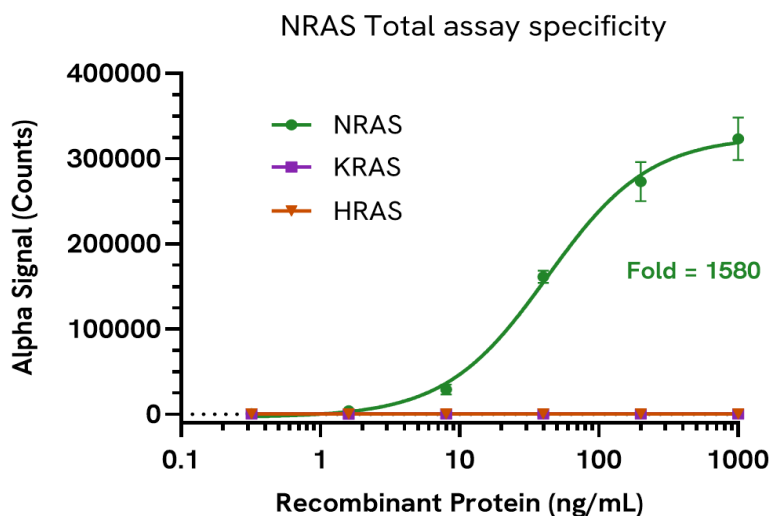
This assay kit contains antibodies which recognize distinct epitopes on NRAS. The protein detected by this kit corresponds to UniProt ID P01111. NRAS is also known as GTPase NRas and Transforming protein N-Ras. This kit is specific for NRAS protein and does not recognize HRAS or KRAS isoforms. These antibodies recognize NRAS of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

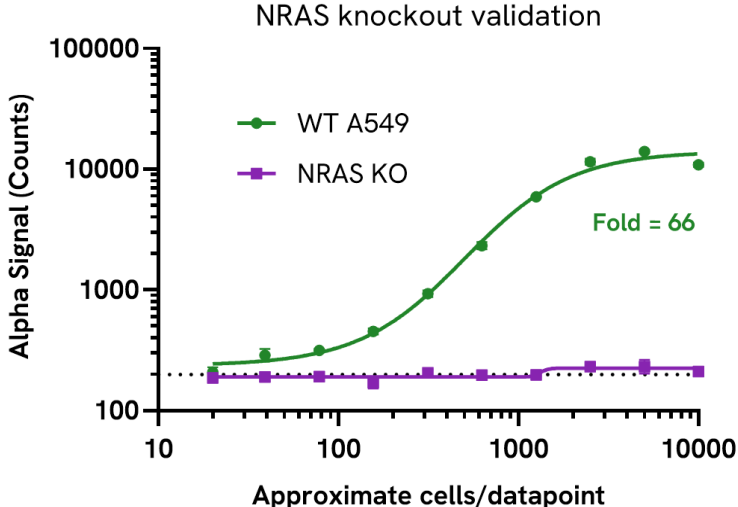
Positive Control Lysate: Prepared from HeLa cells, cultured to confluence in T175 flasks in 10% FBS containing medium and, lysed with 4 mL of Lysis Buffer.

Representative data:

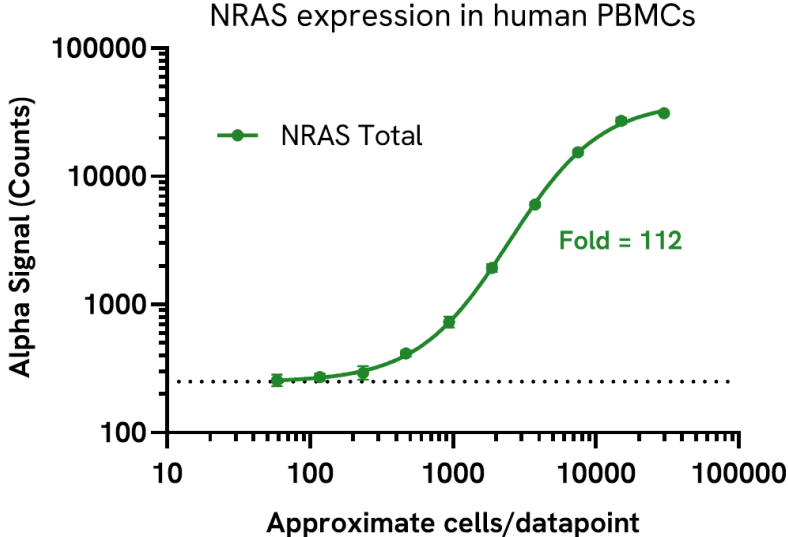
NRAS (MyBioSource, MBS143929), HRAS (Abcam, ab61239) and KRAS (Abcam, ab156968) human recombinant proteins were serially diluted with Lysis Buffer and evaluated using the NRAS Total SureFire Ultra kit. No cross-reactivity against KRAS or HRAS was observed.



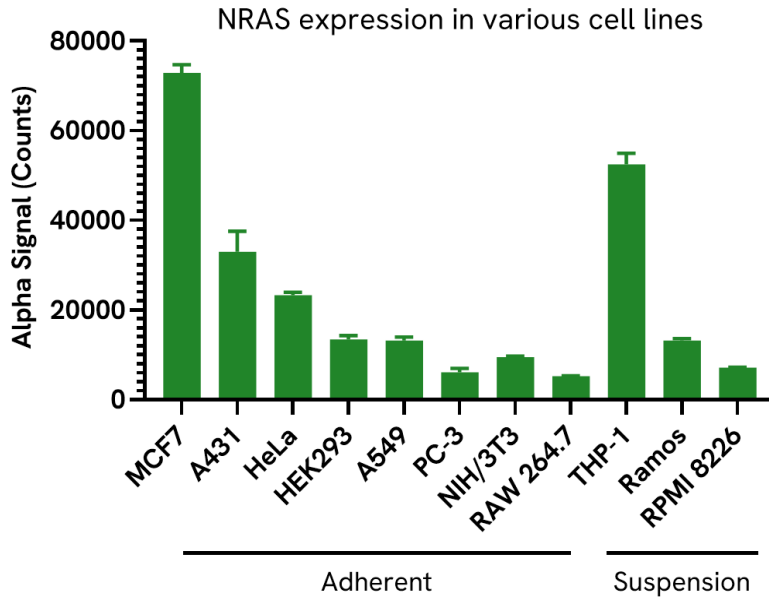
A549 wild type (WT) and A549 NRAS knockout (KO, Abcam ab286611) cell lines were cultured to confluence in T175 flasks. Cells were lysed in Lysis Buffer, serially diluted with Lysis Buffer, then assayed for Total NRAS using the *SureFire Ultra* kit. Approximate number of cells/datapoint is indicated.



PBMCs were isolated from healthy donors and cells were lysed at 6×10^6 cells/mL with Lysis Buffer. Lysate was serially diluted in Lysis Buffer and assayed for NRAS Total levels using the *SureFire Ultra* kit. Approximate number of cells/datapoint is indicated.



Data obtained from measurement of NRAS Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 5,000 cells/datapoint for adherent cells or 16,000 cells/datapoint for suspension cells.



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