

AlphaLISA® SureFire® Ultra™

Human B-Raf V600E Detection Kit

Product number: ALSU-TBRAF-B500, ALSU-TBRAF-B10K,
ALSU-TBRAF-B50K, ALSU-TBRAF-B-HV



Kit specificity:

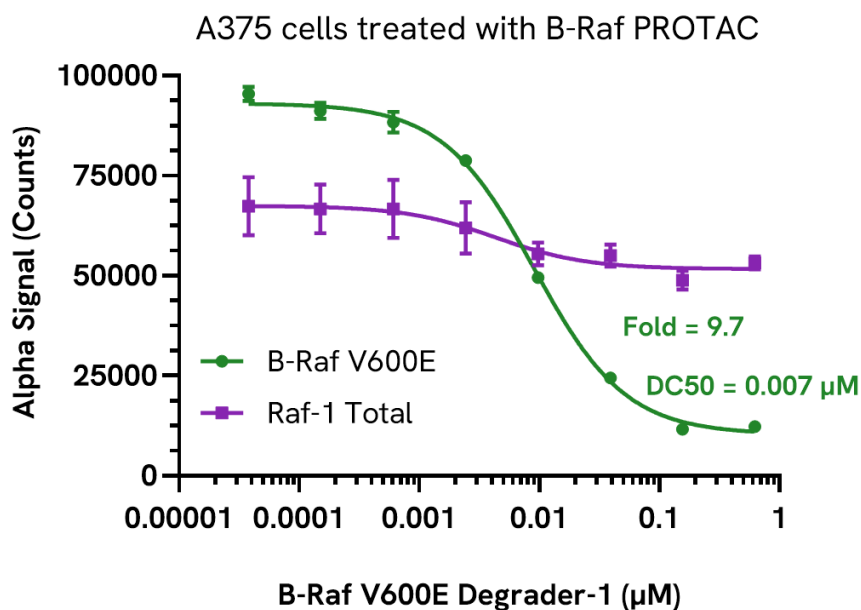
This assay kit contains antibodies which recognize the V600E mutation and a distinct epitope on B-Raf. The protein detected by this kit corresponds to UniProt ID P15056. B-Raf is also known as Proto-oncogene B-Raf. These antibodies recognize B-Raf V600E of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from A375 cells cultured on confluence in T175 flasks in 10% FBS containing media and lysed in 6 mL of Lysis Buffer.

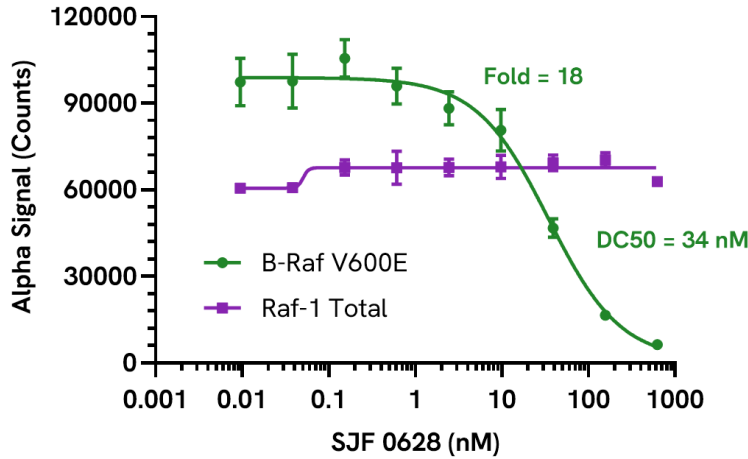
Representative data:

Data obtained with a 2-plate, 2-incubation protocol. A375 cells were seeded at 10K cells/well in a 96-well plate and incubated overnight. The cells were treated with a B-Raf PROTAC, B-Raf V600E Degrader-1 at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for B-Raf V600E and Raf-1 Total using respective SureFire Ultra kits. Equivalent to approximately 2,000 cells/datapoint.



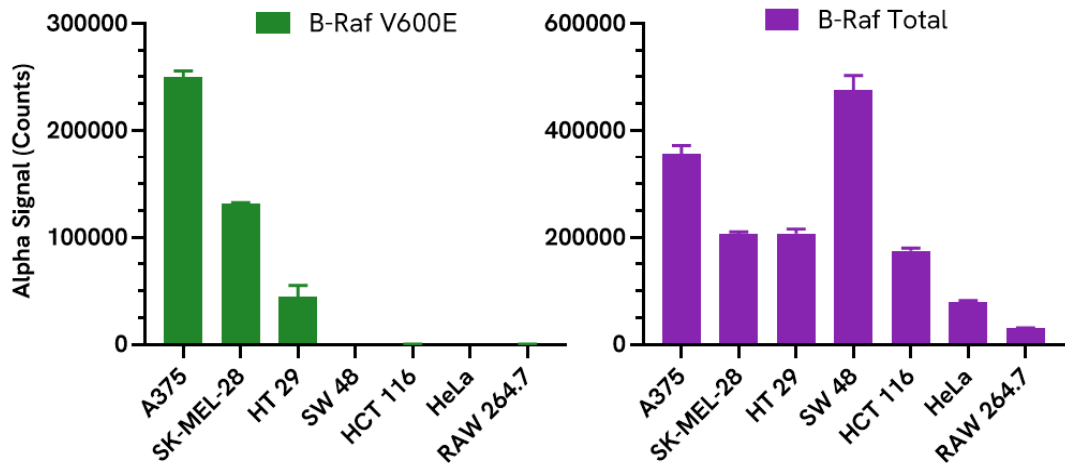
Data obtained with a 2-plate, 2-incubation protocol. A375 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. The cells were treated with a B-Raf PROTAC, SJF 0628 at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for B-Raf V600E and Raf-1 Total using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.

A375 cells treated with B-Raf PROTAC



Data obtained from measurement of B-Raf V600E in various cell types lysed with Lysis Buffer. Equivalent to approximately 8,000 cells/datapoint (adherent cells) or 10,000 cells/datapoint (suspension cells). B-Raf V600E is only detected in cancer cell lines that harbour this mutation i.e. A375, SK-MEL-28 and HT 29 cells. As expected, no expression of B-Raf V600E was detected in B-Raf WT expressing cell lines like SW 48.

B-Raf Mutant vs Wildtype Differential Expression



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