

AlphaLISA® SureFire® Ultra™

Human BCKDHA Total Detection Kit

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



Kit specificity:

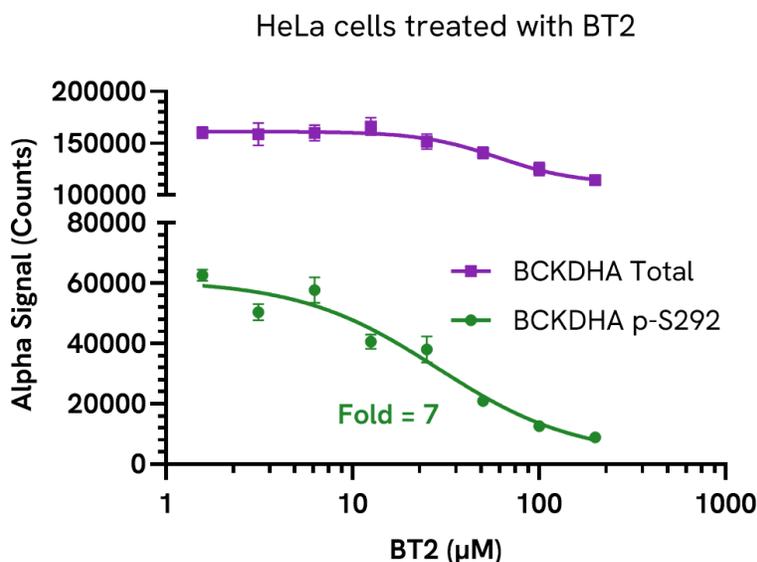
This assay kit contains antibodies which recognize distinct epitopes on BCKDHA. The protein detected by this kit corresponds to UniProt ID P12694. BCKDHA is also known as Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain (BCKDE1A). These antibodies recognize BCKDHA of human origin. 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% containing medium and lysed in 8 mL of Lysis Buffer.

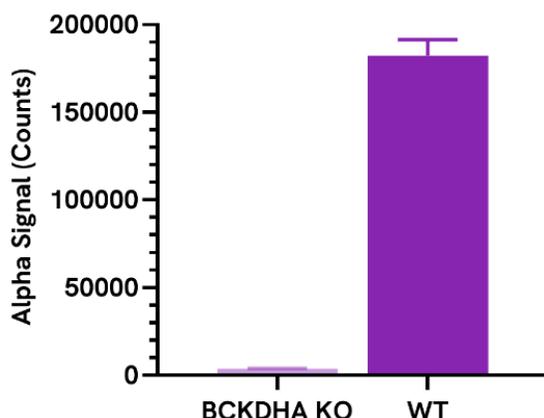
Representative data:

Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded in a 96-well plate (40,000 cells/well) in complete medium and incubated overnight. The cells were treated with increasing concentrations of BT2 for 8 hours. After treatment, the cells were lysed with Lysis Buffer and Phospho (Ser292) and Total BCKDHA levels were evaluated using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



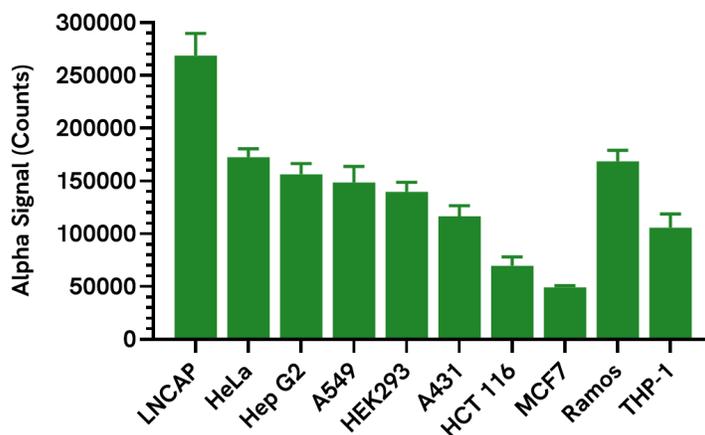
HEK293T (WT) and BCKDHA KO (Abcam ab266439) cells were cultured to confluence in a T175 flask and lysed in Lysis Buffer. BCKDHA levels were evaluated by *SureFire Ultra*. Equivalent to approximately 10,000 cells/datapoint.

BCKDHA Knockout Validation



Data obtained from measurement of BCKDHA in various cell types lysed with Lysis Buffer. Equivalent to approximately 2,500 cells/datapoint (adherent cells) or 8,000 cells/datapoint (suspension cells).

BCKDHA expression in various cell lines



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