

AlphaLISA® SureFire® Ultra™

# Human XBP1s Total Detection Kit

**Product number:** ALSU-TXBP1-A500, ALSU-TXBP1-A10K,  
ALSU-TXBP1-A50K, ALSU-TXBP1-A-HV



**Kit specificity:**

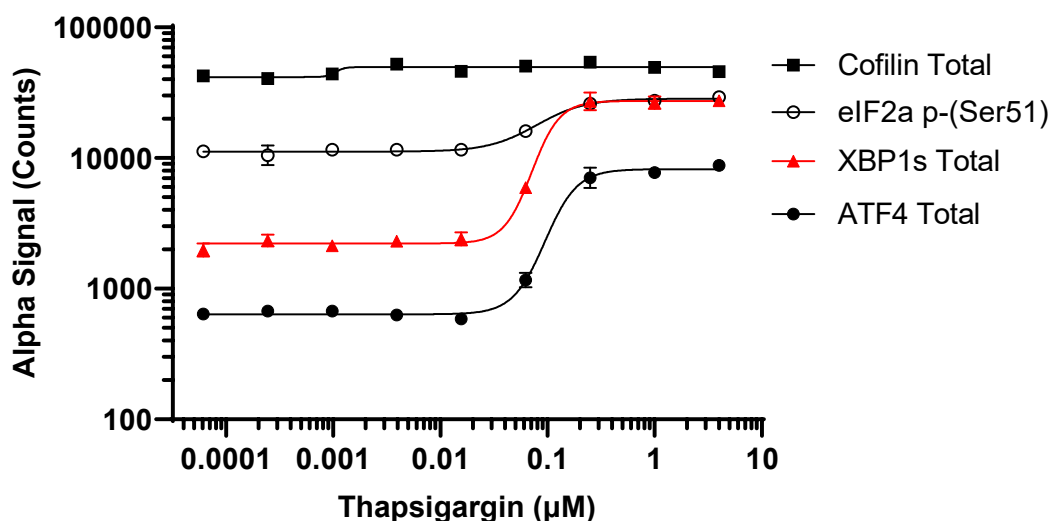
This assay kit contains antibodies which recognize distinct epitopes on spliced XBP1 (XBP1s). The protein detected by this kit corresponds to UniProt ID P17861. XBP1 is also known as X-box-binding protein 1 and Tax-responsive element-binding protein 5 (TREB-5). These antibodies recognize XBP1s of human origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

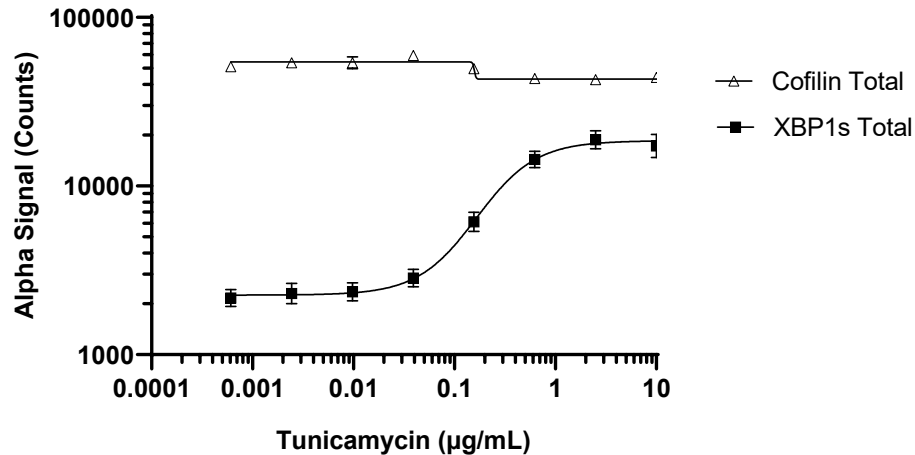
Positive Control Lysate: RT-4 cells were cultured to confluence in T175 flasks in 10% FBS containing medium, lysed with 4 mL of Lysis Buffer B.

**Representative data**

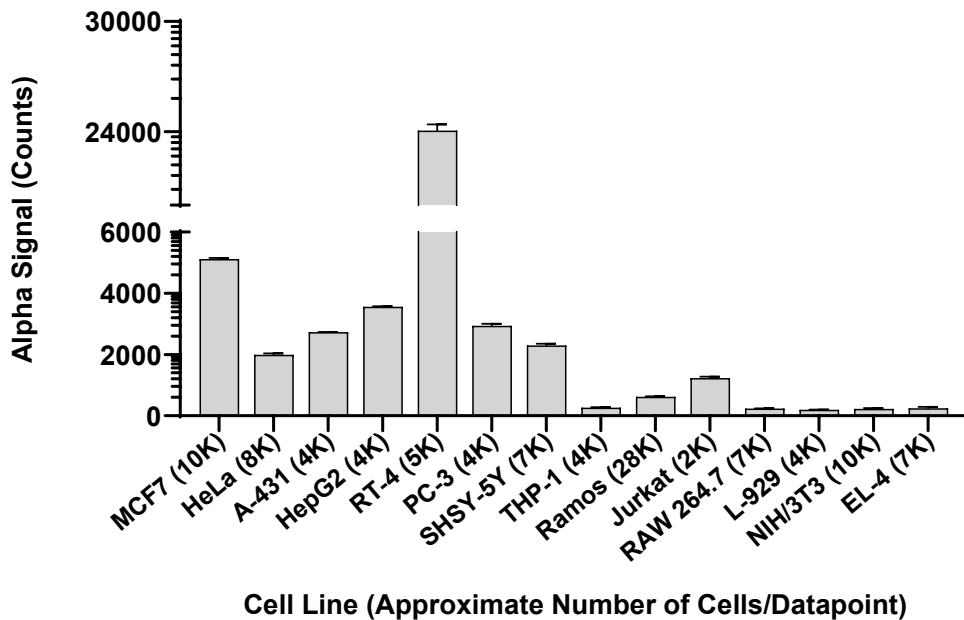
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Thapsigargin at the indicated concentrations for 3 hours. Cells were lysed with Lysis Buffer B (XBP1s Total) or Lysis Buffer (all other targets) and assayed separately for various targets using respective SureFire Ultra kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 50K cells/well in a 96 well plate and incubated overnight. Cells were treated with Tunicamycin at the indicated concentrations for 5 hours. Cells were lysed with Lysis Buffer B (XBP1s Total) or Lysis Buffer (Cofilin Total) and assayed separately for Total XBP1s and Cofilin using respective *SureFire Ultra* kits. Equivalent to approximately 5,000 cells/datapoint.



Data obtained from measurement of XBP1s Total in various cell types lysed with Lysis Buffer B. Approximate number of cells/datapoint is indicated for the various cell lines.



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