

AlphaLISA® SureFire® Ultra™

Human and Mouse HSP90 Total Detection Kit

Product number: ALSU-THSP90-A500, ALSU-THSP90-A10K,
ALSU-THSP90-A50K, ALSU-THSP90-A-HV



Kit specificity:

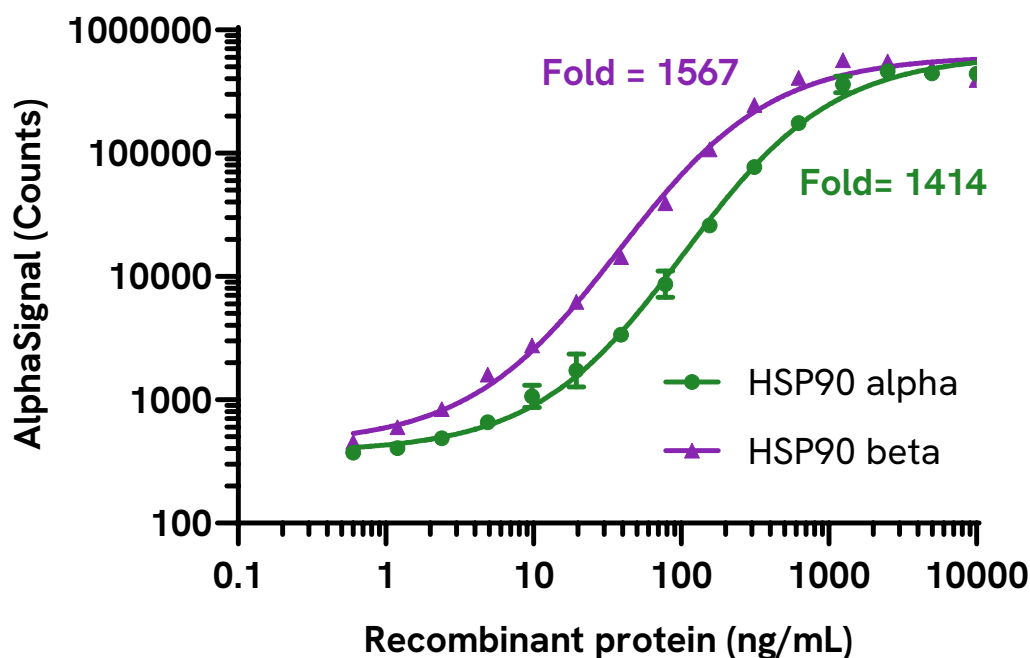
This assay kit contains antibodies which recognize distinct epitopes on HSP90. The proteins detected by this kit corresponds to UniProt ID P07900 (HSP90 α) and P08238 (HSP90 β). HSP90 is also known as Heat shock protein 90, Heat shock protein family C member 1 (alpha) or member 3 (beta). These antibodies recognize HSP90 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

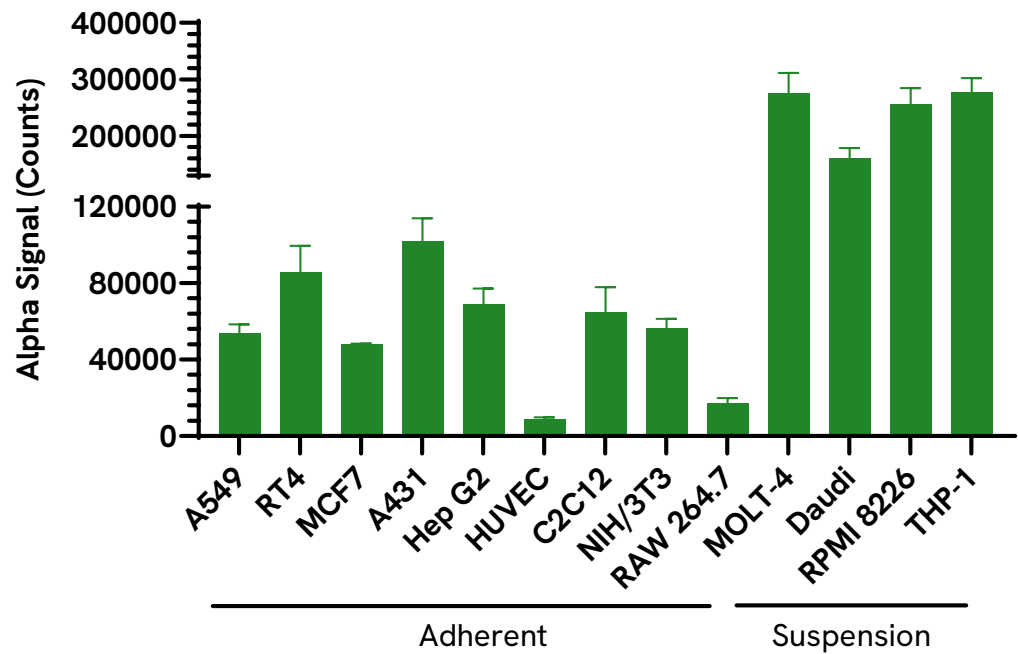
Positive Control Lysate: Prepared from MCF7 cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 16mL of Lysis Buffer.

Representative data:

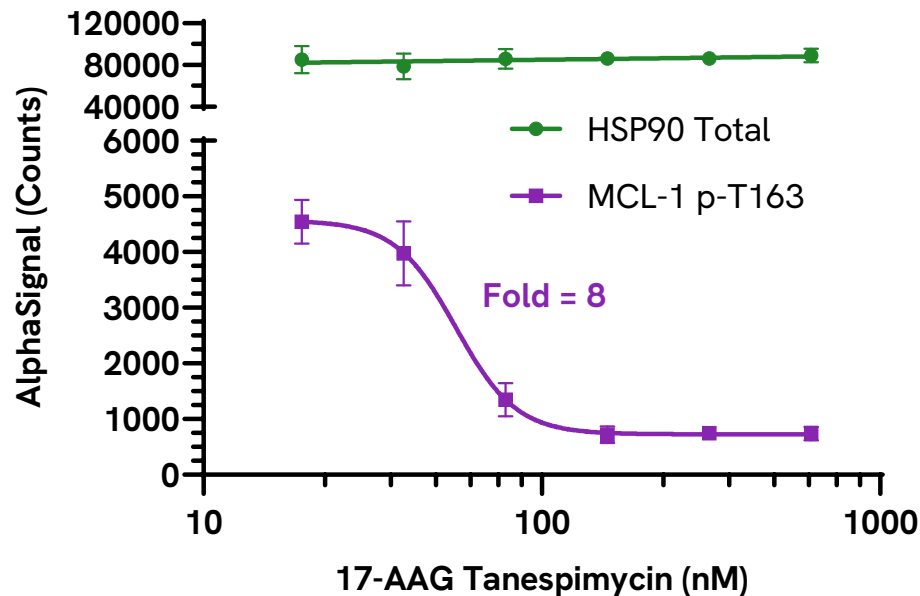
Recombinant HSP90 alpha protein (ab80369) and recombinant HSP90 beta protein (ab80033) were serially diluted with Dilution Buffer. HSP90 levels were assessed using the Total HSP90 SureFire Ultra kit to evaluate the assay reactivity to both alpha and beta variants of HSP90 protein.



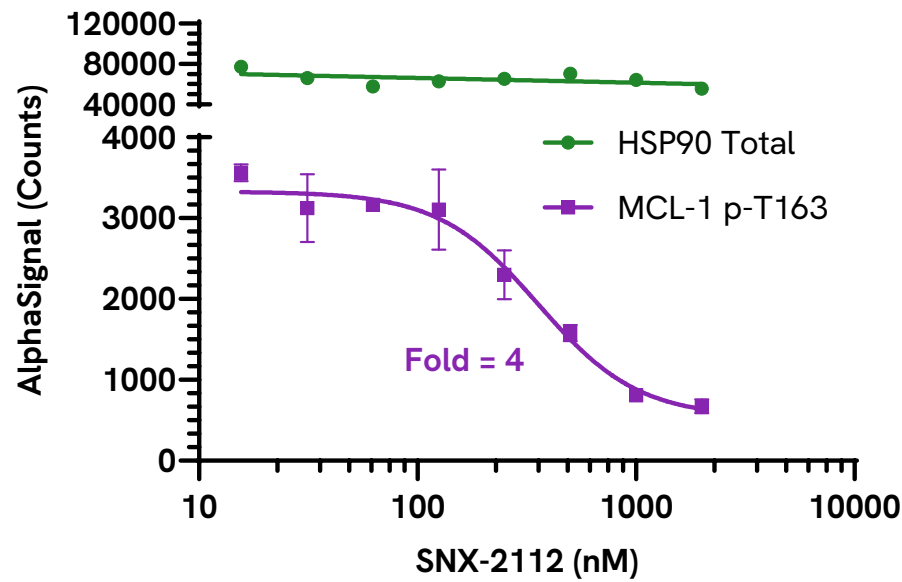
Data obtained from measurement of HSP90 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 500 cells/datapoint (adherent cells) or 5,000 cells/datapoint (suspension cells).



Data obtained with a 2 plate, 2 incubation protocol. THP-1 cells were seeded at 100K cells/well in a 96 well plate in complete medium and treated with 17-AAG (HSP90 inhibitor) at the indicated concentrations for 24 hours. Cells were washed in HBSS and lysed with Lysis Buffer. Lysates were further diluted for Total HSP90 and assayed separately for Total HSP90 and Phospho (Thr163) MCL-1 using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint (Total HSP90) or 10,000 cells/datapoint (Phospho MCL-1).



Data obtained with a 2 plate, 2 incubation protocol. THP-1 cells were seeded at 100K cells/well in a 96 well plate in complete medium and treated with SNX-2112 (HSP90 inhibitor) at the indicated concentrations for 24 hours. Cells were washed in HBSS and lysed with Lysis Buffer. Lysates were further diluted for Total HSP90 and assayed separately for Total HSP90 and Phospho (Thr163) MCL-1 using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint (Total HSP90) or 10,000 cells/datapoint (Phospho MCL-1).



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