AlphaLISA™ *SureFire*® Biotin Free

Human and Mouse Cofilin Total Detection Kit

Product number: ASBF-TCOF-A500, ASBF-TCOF-A10K, ASBF-TCOF-A50K, ASBF-TCOF-A-HV

Kit specificity:

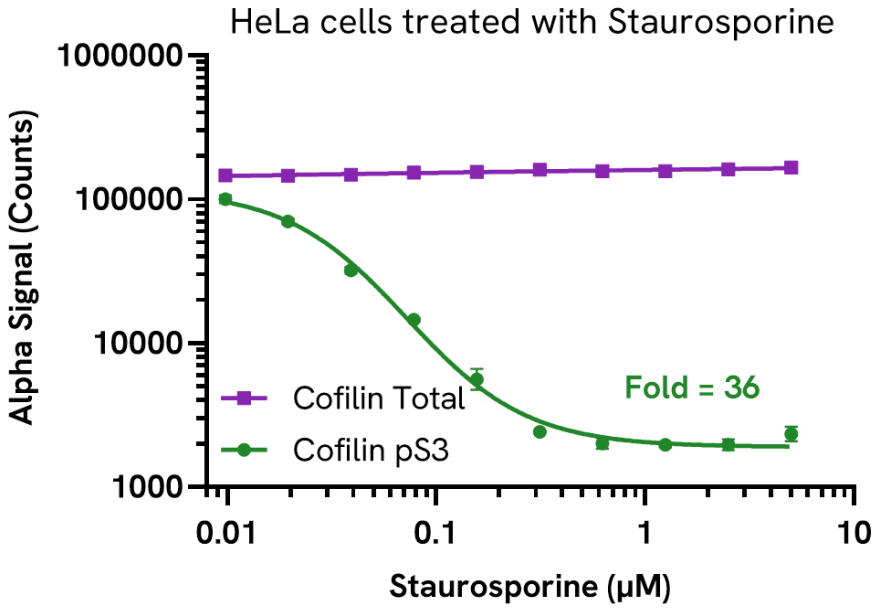
This assay kit contains antibodies which recognize distinct epitopes on Cofilin. The protein detected by this kit corresponds to UniProt ID P23528. Cofilin is also known as CFL1. These antibodies recognise Cofilin of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

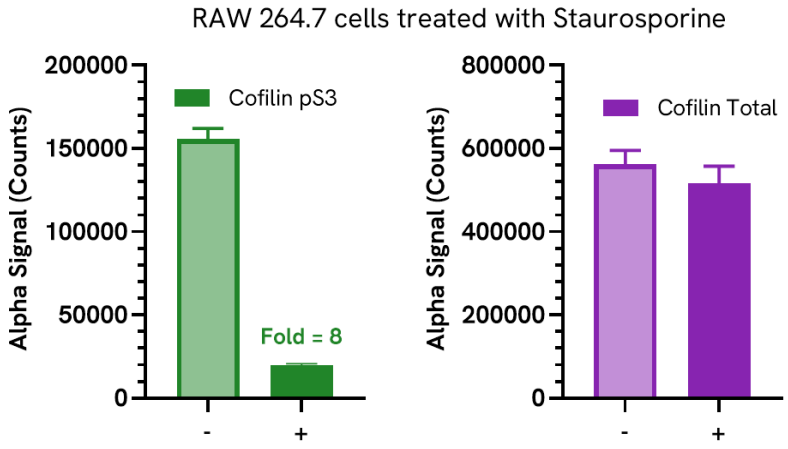
Positive Control Lysate: Prepared from HeLa cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 12 mL of Lysis Buffer.

Representative data:

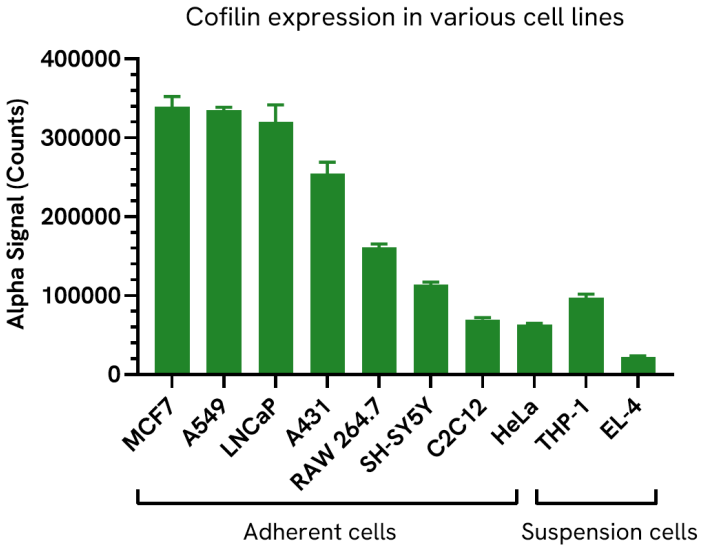
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Staurosporine at the indicated concentrations for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser3) and Total Cofilin using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint for Phospho and 100 cells/datapoint for Total.



Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were left untreated or treated with 625 nM Staurosporine for 4 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser3) and Total Cofilin using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from measurement of Cofilin Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 1,000 cells/datapoint for adherent cells or 600 cells/datapoint for suspension cell



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