

AlphaLISA® SureFire® Ultra™

## Human and Mouse FOXO1 Total Detection Kit

**Product number:** ALSU-TFOXO1-A500, ALSU-TFOXO1-A10K,  
ALSU-TFOXO1-A50K, ALSU-TFOXO1-A-HV



### Kit specificity:

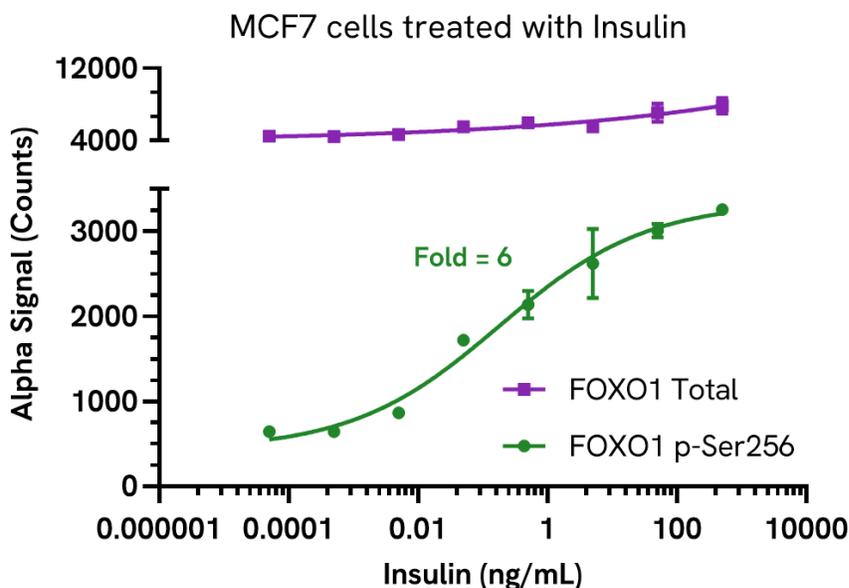
This assay kit contains antibodies which recognize distinct epitopes on FOXO1. The protein detected by this kit corresponds to UniProt ID Q12778. FOXO1 is also known as Forkhead box protein O1 and Forkhead in rhabdomyosarcoma. These antibodies recognize FOXO1 of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

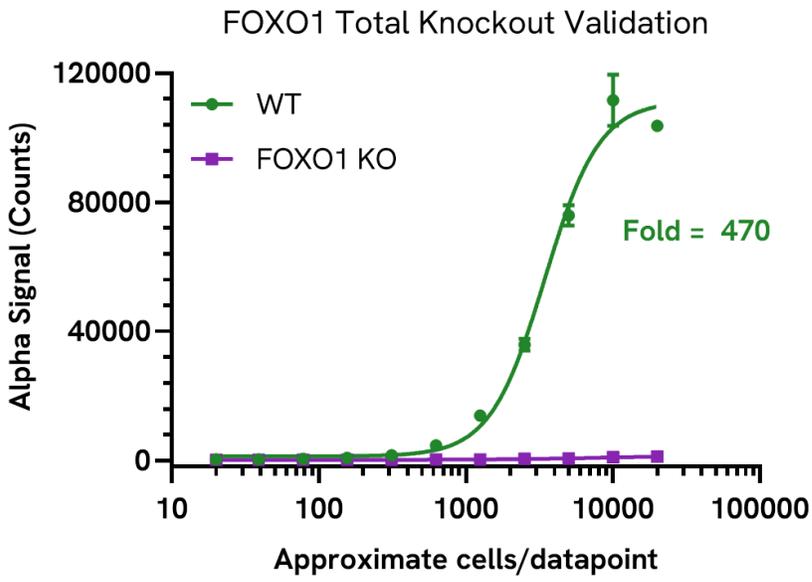
Positive Control Lysate: Prepared from HEK293 cells cultured on confluence in T175 flasks in 10% FBS containing media and lysed in 3 mL of Lysis Buffer.

### Representative data:

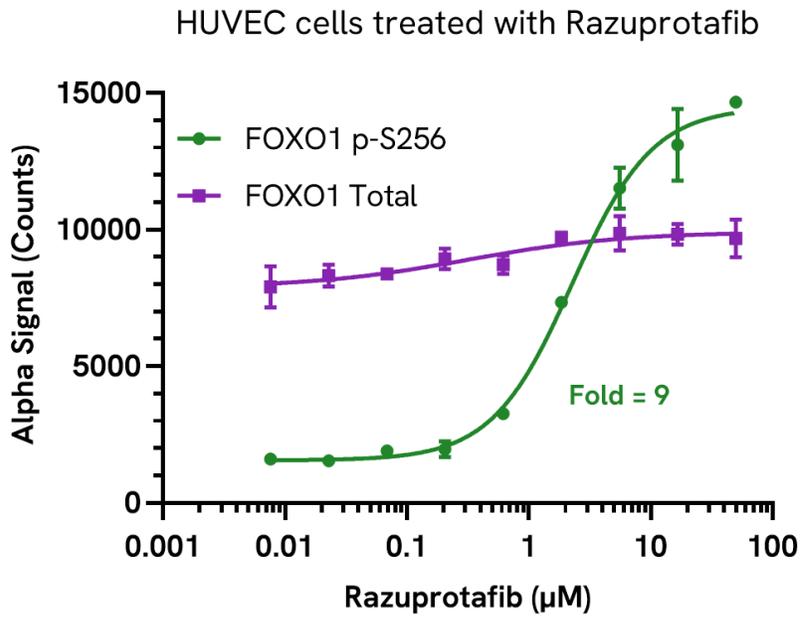
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were starved for 2 hours in 1% FBS containing media, then treated with increasing concentrations of Insulin for 5 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser256) and Total FOXO1 levels using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



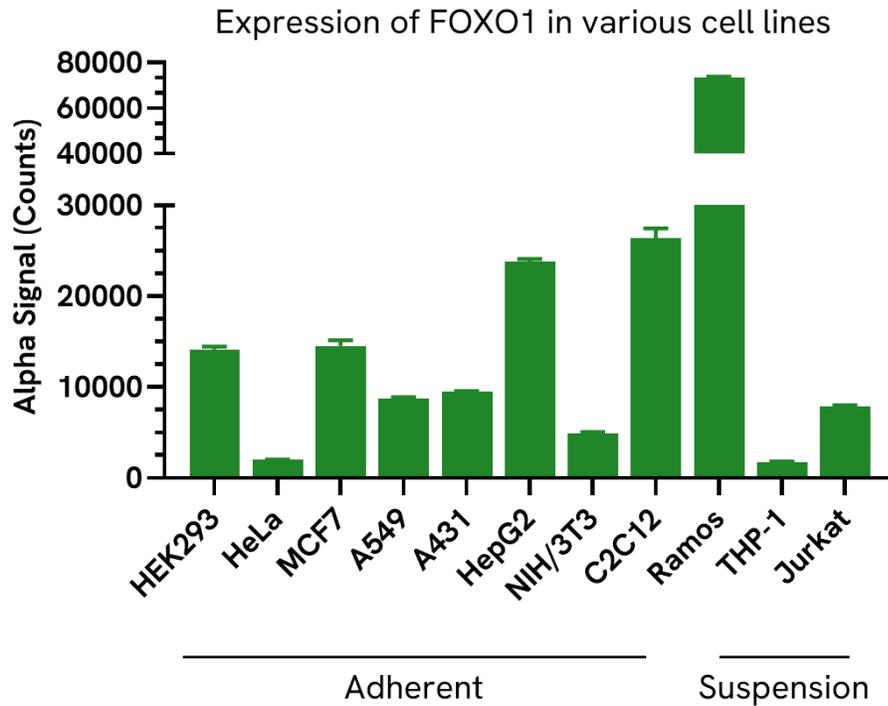
Total FOXO1 levels were assessed in HAP-1 wild type (WT) and HAP-1 FOXO1 knockout (KO) cells. Cells were cultured to confluency in T175 flasks and lysed in 4 mL of Lysis Buffer. Lysates were serially diluted in Lysis Buffer and evaluated using the *SureFire Ultra* kit. Total FOXO1 was only detected in WT cells, confirming assay specificity.



Data obtained with a 2-plate, 2-incubation protocol. HUVEC cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were starved for 2 hours in 1% FBS containing media, then treated with increasing concentrations of Razuprotafib for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser256) and Total FOXO1 levels using respective *SureFire Ultra* kits. Equivalent to approximately 12,000 cells/datapoint.



Data obtained from measurement of FOXO1 in various cell types lysed with Lysis Buffer. Equivalent to approximately 8,000 cells/datapoint (adherent cells) or 10,000 cells/datapoint (suspension cells).



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