AlphaLISA® *SureFire® Ultra™*

Human and Mouse GAPDH Total Detection Kit

Product number: ALSU-TGAPD-B500, ALSU-TGAPD-B10K, ALSU-TGAPD-B50K, ALSU-TGAPD-B-HV

Kit specificity:

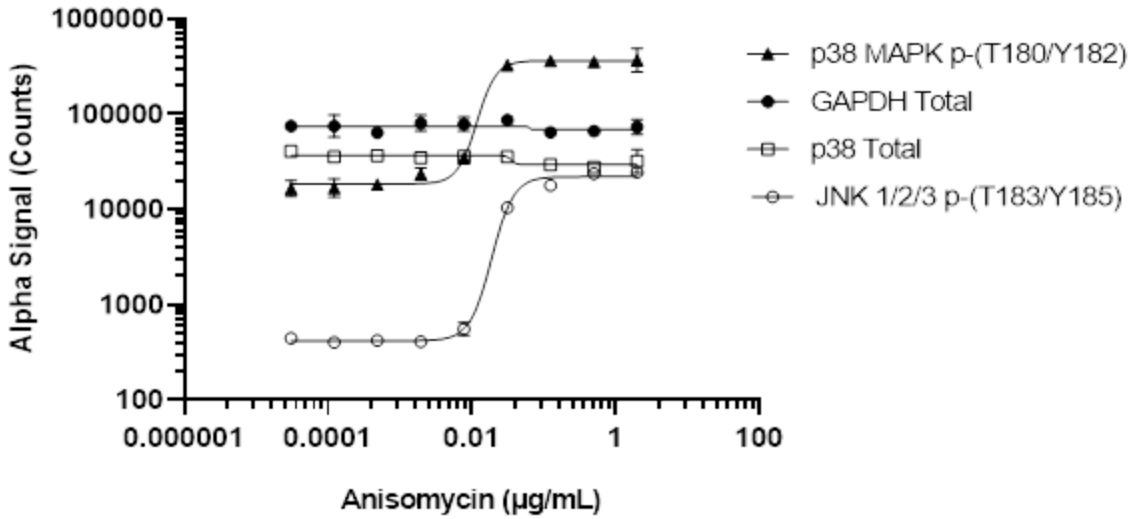
This assay kit contains antibodies which recognize distinct epitopes on GAPDH. The protein detected by this kit corresponds to UniProt ID P04406. GAPDH is also known as Peptidyl-cysteine S-nitrosylase GAPDH. These antibodies recognize GAPDH of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

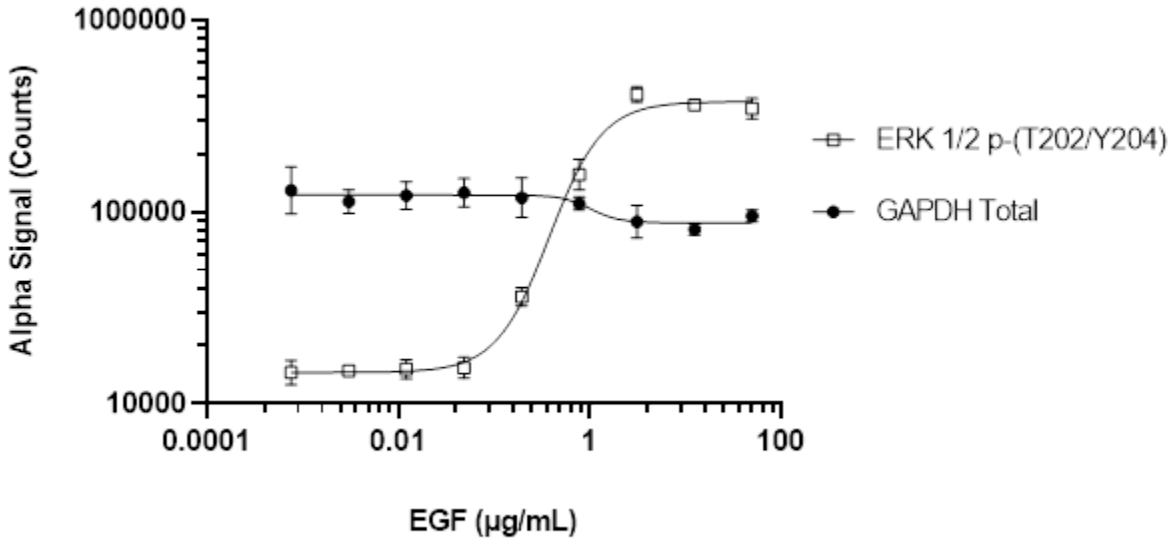
Positive Control Lysate: Prepared from HeLa cells, cultured to confluence in T175 flasks in 10% FBS containing medium, lysed with 80 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. NIH3T3 cells were seeded at 30K cells/well in a 96 well plate and incubated overnight. Cells were serum deprived for 2 hours then treated with Anisomycin at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho-(Thr180/Tyr182) p38 MAPK, Total p38, Phospho-(Thr183/Tyr185) JNK 1/2/3 and Total GAPDH using respective *SureFire Ultra* kits. Equivalent to approximately 3,000 cells/datapoint for Phospho and Total p38, Phospho JNK 1/2/3 and 1,000 cells/datapoint for Total GAPDH.



Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 50K cells/well in a 96 well plate and incubated overnight. Cells were serum deprived for 2 hours and then treated with EGF at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr202/Tyr204) ERK and Total GAPDH using respective *SureFire Ultra* kits. Equivalent to approximately 2,500 cells/datapoint.



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