

AlphaLISA® SureFire® Ultra™

Human p-TDP43 (Ser409/410) Detection Kit

Product number: ALSU-PTDP43-A500, ALSU PTDP43-A10K,
 ALSU-PTDP43-A50K, ALSU-PTDP43-A-HV



Kit specificity:

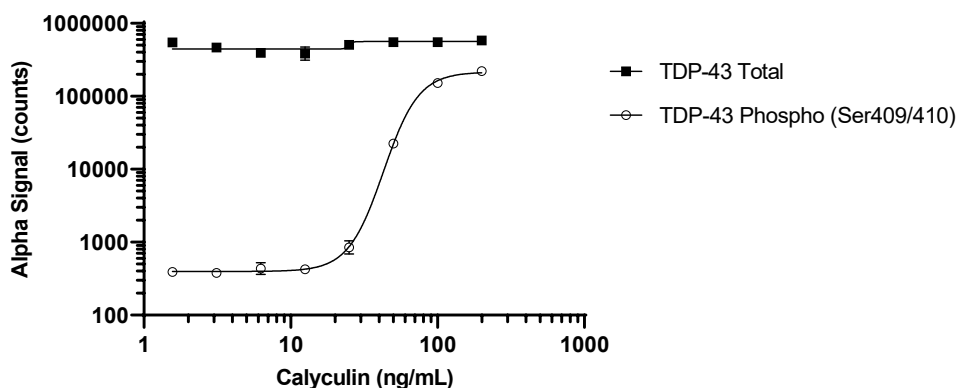
This assay kit contains antibodies which recognize the phospho Ser409/410 epitope and a distal epitope on TDP-43. The protein detected by this kit corresponds to UniProt ID Q13148. TDP-43 is also known as TAR DNA binding protein 43. These antibodies recognize TDP-43 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from U937 cells grown in 10% FBS containing medium. Cells were harvested, adjusted to 2×10^6 cells/mL and treated with 100 ng/mL Calyculin for 4 hours. Cells were spun down at 300 RCF for 5 minutes, washed with HBSS + 0.1% BSA and lysed with Lysis Buffer at 1×10^6 cells/mL.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. U937 cells were washed and resuspended in HBSS + 0.1% BSA and seeded at 200K cells/well in a 96 well plate. Cells were treated with Calyculin at the indicated concentrations for 4 hours. Cells were lysed with 5X Lysis Buffer and assayed separately for Phospho (Ser409/410) and Total TDP-43 using respective SureFire Ultra kits. Equivalent to approximately 8,000 cells/datapoint.



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