

Alpha SureFire® Ultra™ Multiplex

Human and Mouse p-AKT 1/2/3 (Thr308) + Total AKT1 Detection Kit

Product number: MPSU-PTAKT-O500, MPSU-PTAKT-O10K,
MPSU-PTAKT-O50K, MPSU-PTAKT-O-HV



Kit specificity:

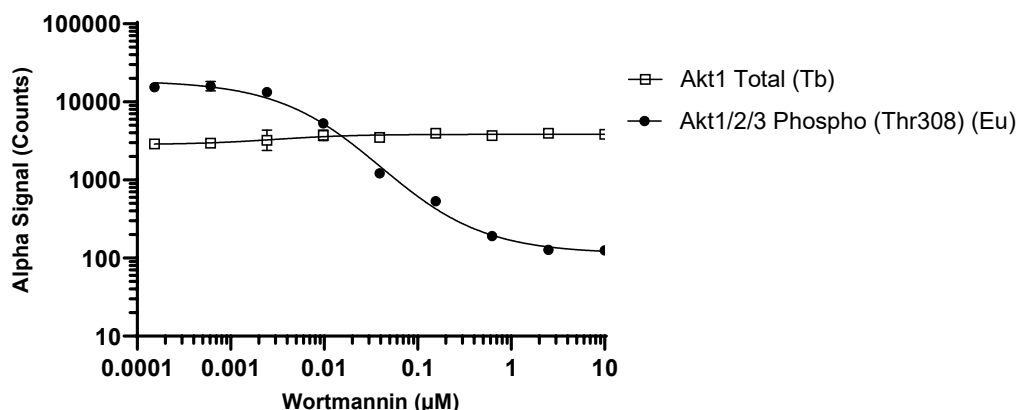
This assay kit contains antibodies which recognize the phospho-Thr308 epitope and a distal epitope on Akt 1/2/3, plus antibodies to detect Total Akt 1. The proteins detected by this kit correspond to UniProt IDs P31749 (Akt1), P31751 (Akt2) and Q9Y243 (Akt3). These antibodies recognize Akt of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from HEK-293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 20% FBS for 15 minutes and lysed with 4 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Wortmannin at the indicated concentrations for 2 hours before treatment with a 2.5 µg/mL Insulin for 30 minutes. Cells were then lysed with Lysis Buffer and assayed for Phospho AKT1/2/3 (Thr308) and Total AKT1 in the same wells of an assay plate using the *SureFire Ultra* Multiplex kit. Equivalent to approximately 4,000 cells/datapoint.



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