

AlphaLISA® SureFire® Ultra™

## Human and Mouse p-MEK1 (Ser218/222) Detection Kit

**Product number:** ALSU-PMEK1-A500, ALSU-PMEK1-A10K,  
 ALSU-PMEK1-A50K, ALSU-PMEK1-A-HV



### Kit specificity:

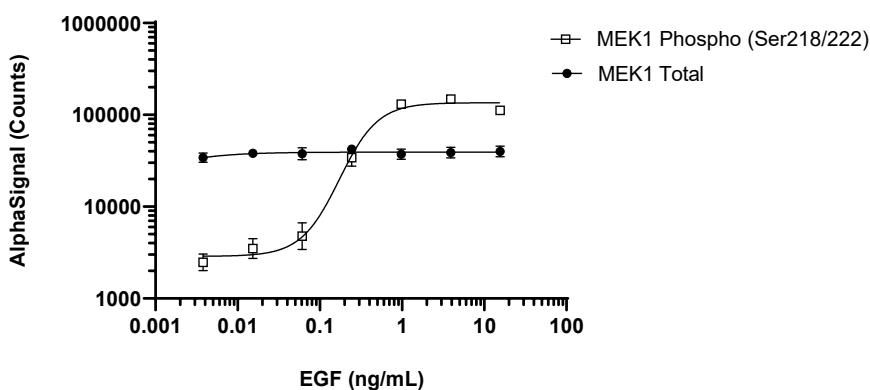
This assay kit contains antibodies which recognize the phospho-Ser218/222 epitope and a distal epitope on MEK1. The protein detected by this kit corresponds to UniProt ID Q02750. MEK1 is also known as MAP kinase kinase 1, MAP2K1 and MAPKK1. These antibodies recognize MEK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from A-431 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 200 ng/mL EGF for 10 minutes and lysed with 10 mL of Lysis Buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. A-431 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were then serum starved for 2 hours prior to treatment with EGF at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (S218/222) and Total MEK1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint



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