

AlphaLISA® SureFire® Ultra™

## Human and Mouse p-eIF4E (Ser209) Detection Kit

**Product number:** ALSU-PEIF4-A500, ALSU-PEIF4-A10K,  
 ALSU-PEIF4-A50K, ALSU-PEIF4-A-HV



### Kit specificity:

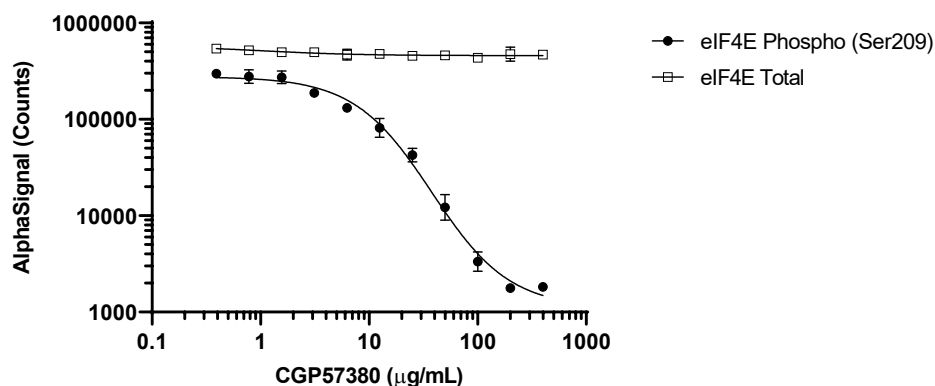
This assay kit contains antibodies which recognize the phospho-Ser209 epitope and a distal epitope on eIF4E. The protein detected by this kit corresponds to UniProt ID P06730. eIF4E is also known as eukaryotic translation initiation factor 4E. These antibodies recognize eIF4E of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, treated with 200 ng/mL EGF for 30 minutes and lysed with 4 mL of Lysis Buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with CGP57380 at the indicated concentrations for 2 hours then treated with 200 ng/mL of EGF for a further 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser209) and Total eIF4E using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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