

AlphaLISA® SureFire® Ultra™

## Human Aurora B Total Detection Kit

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



### **Kit specificity:**

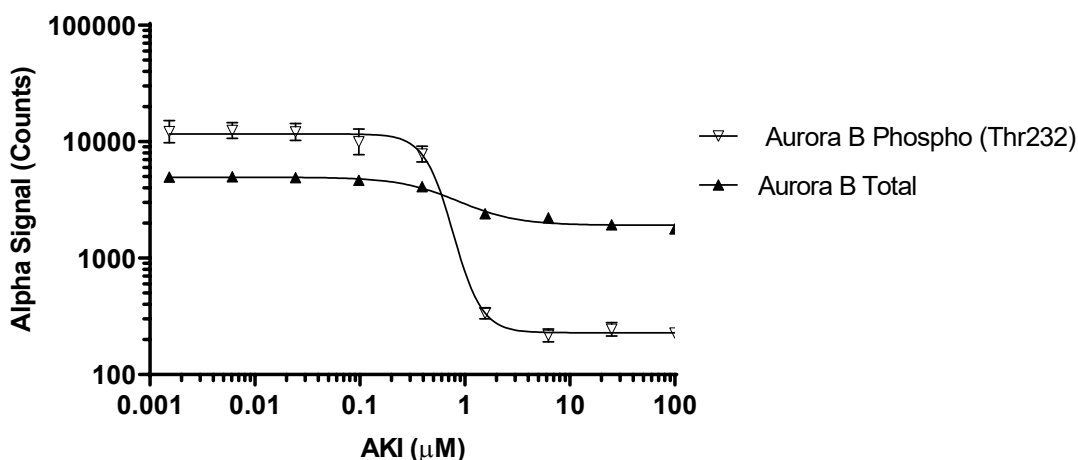
This assay kit contains antibodies which recognize distinct epitopes on Aurora B. The protein detected by this kit corresponds to UniProt ID Q96GD4. Aurora B is also known as Aurora Kinase B, AURKB and ARK2. These antibodies recognize Aurora B of human origin. Other species should be tested on a case-by-case basis.

### **Control lysate information:**

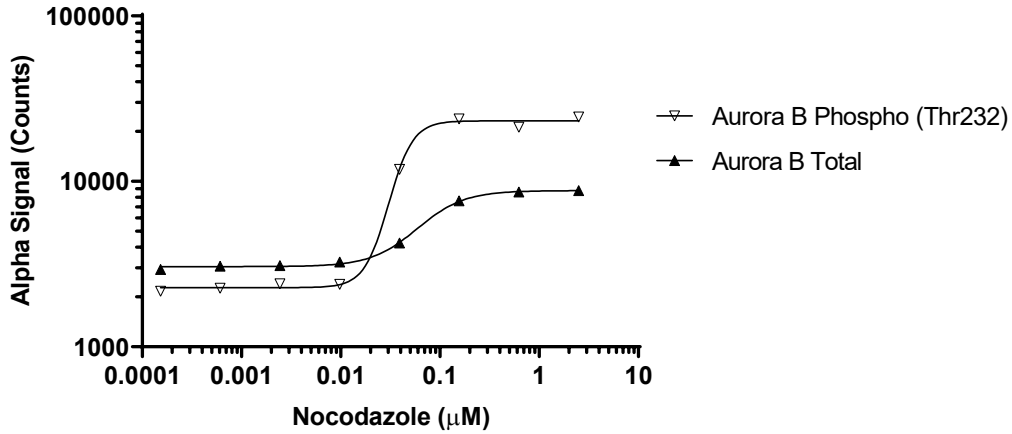
Positive Control Lysate: Prepared from A549 cells grown to confluence in T175 flasks in 10% FBS containing medium, then treated with 50 nM Calyculin A and 2  $\mu$ M PMA for 90 minutes at 37°C. Cells were lysed with 4 mL of Lysis Buffer.

### **Representative data**

Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were treated with 330 nM Nocodazole for 20 hours. Treatment was removed and cells were treated with Aurora Kinase Inhibitor I at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr232) and Total Aurora B using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were then treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr232) and Total Aurora B using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



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