AlphaLISA™ *SureFire® Ultra™*

Human c-Kit Total Detection Kit

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

Kit specificity:

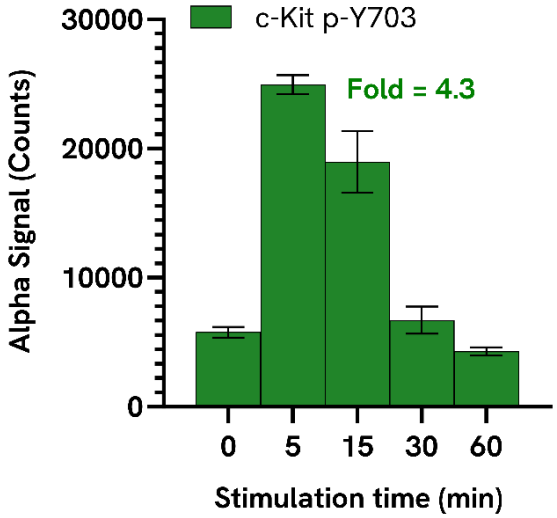
This assay kit contains antibodies which recognize distinct epitopes on c-Kit. The protein detected by this kit corresponds to UniProt ID P10721. c-Kit is also known as Mast/stem cell growth factor receptor Kit and Proto-oncogene c-Kit. These antibodies recognize c-Kit of human origin. Other species should be tested on a case-by-case basis.

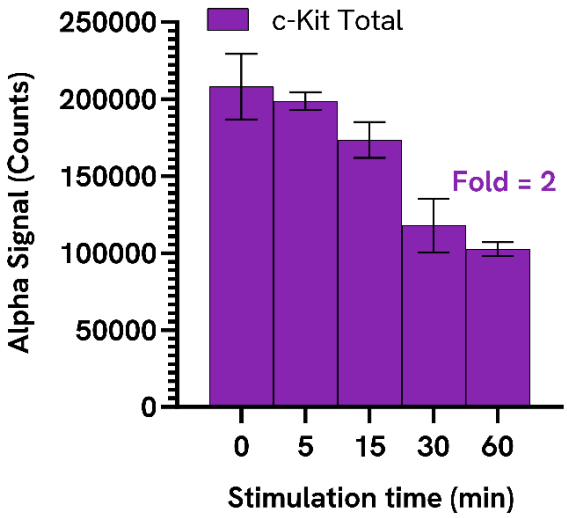
Control lysate information:

Positive Control Lysate: Prepared from RT4 cells, cultured to confluence in T175 flasks in 10% FBS containing medium and treated with 200 µM Pervanadate for 15 minutes and lysed with 4 mL of Lysis Buffer.

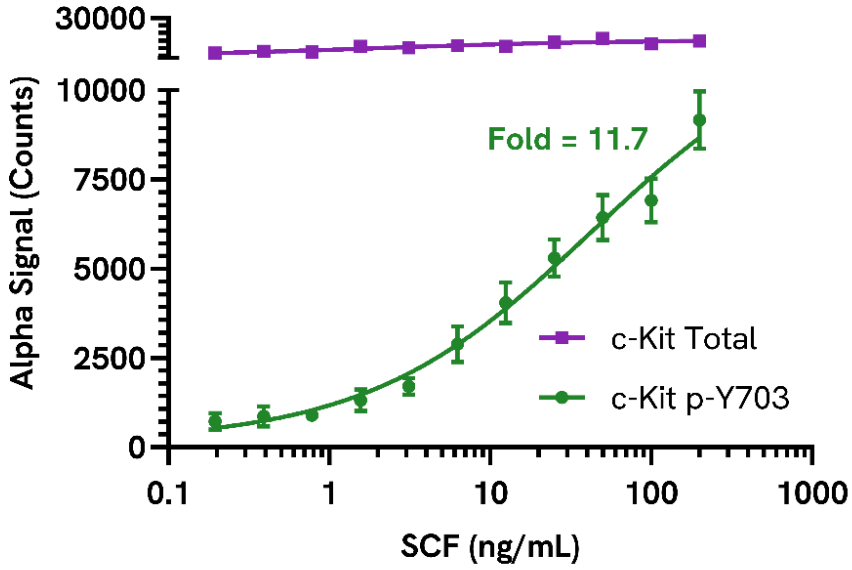
Representative data:

Data obtained with a 2-plate, 2-incubation protocol. UT-7 cells were seeded at 100K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with 100 ng/mL of SCF at indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr703) and Total c-Kit using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.

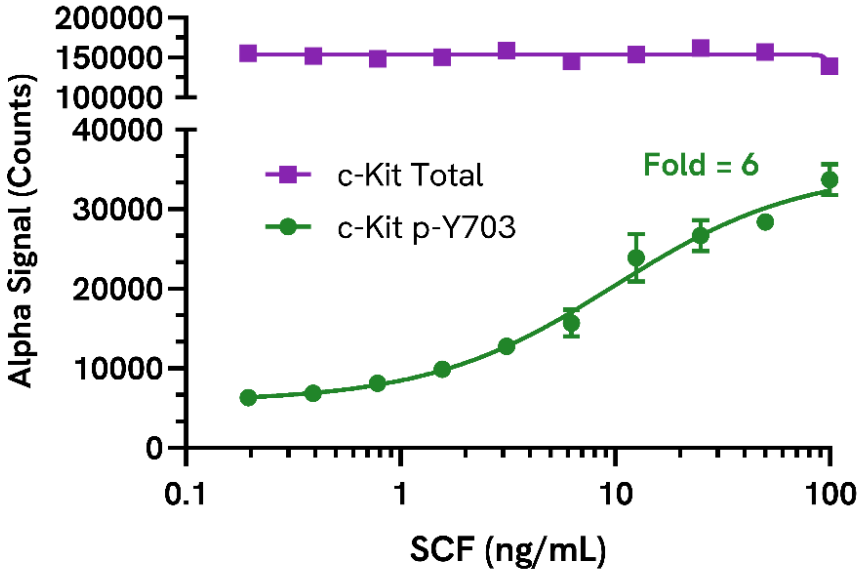




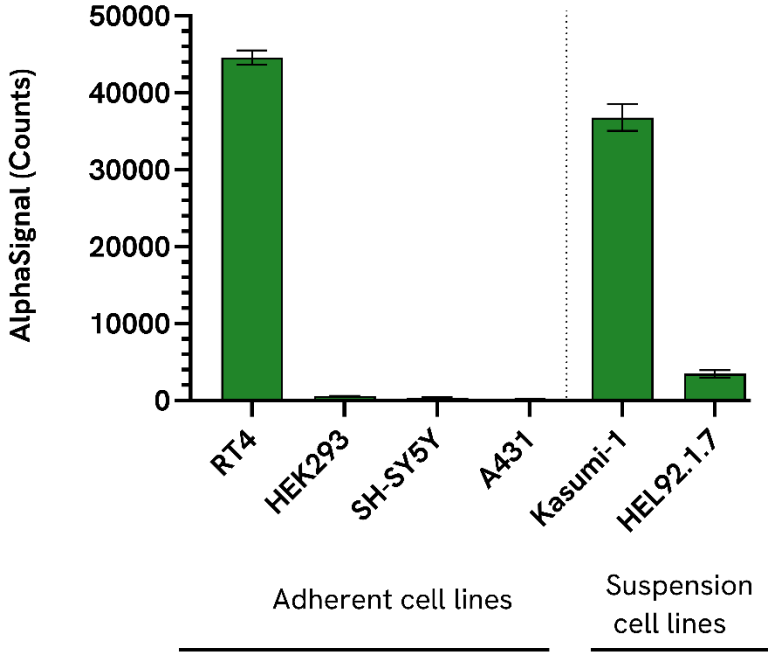
Data obtained with a 2-plate, 2-incubation protocol. UT-7 cells were seeded at 25K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with SCF at the indicated concentrations for 5 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr703) and Total c-Kit using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. HEL 92.1.7 cells were seeded at 400K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with SCF at the indicated concentrations for 5 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr703) and Total c-Kit using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint.



Adherent cell lines were seeded at 40K cells/well in a 96-well plate in complete medium and incubated overnight. Suspension cells were seeded at 250K cells/well in a 96-well plate in HBSS + 0.1% BSA and lysed with the addition of 5X Lysis Buffer. Cell lines were assayed for c-Kit Total using the *SureFire Ultra* kit. Equivalent to approximately 4,000 cells/datapoint for adherent cell lines and 10,000 cells/datapoint for suspension cell lines.



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