

AlphaLISA® SureFire® Ultra™

Human p-c-Kit (Tyr703) Detection Kit

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



Kit specificity:

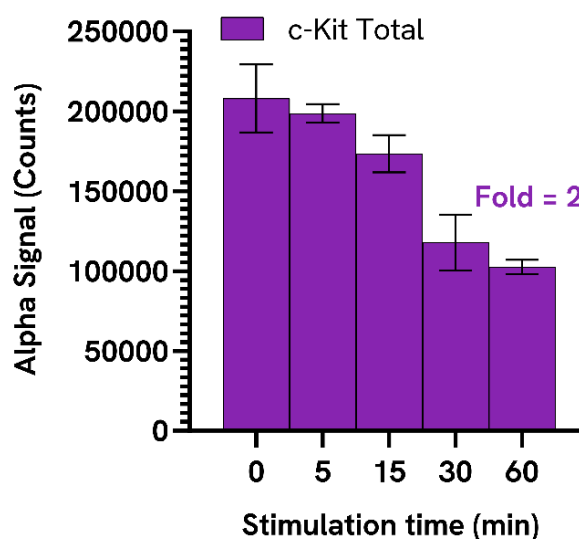
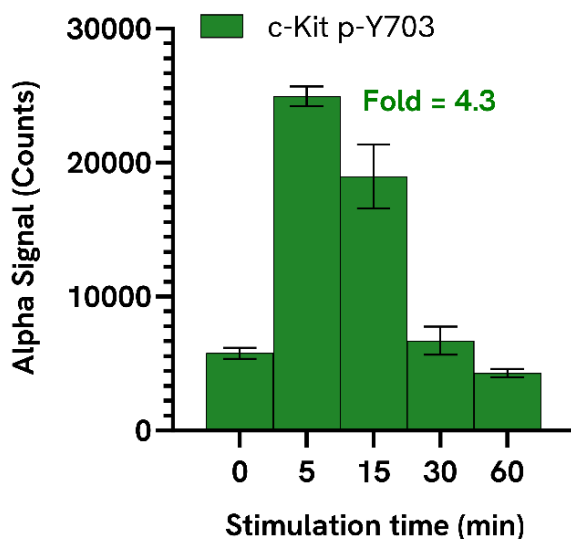
This assay kit contains antibodies which recognize the phospho-Tyr703 epitope and a distal epitope on c-Kit. The protein detected by this kit corresponds to UniProt ID P10721. c-Kit is also known as Mast/stem cell growth factor receptor Kit and Proto-oncogene c-Kit. These antibodies recognize c-Kit of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

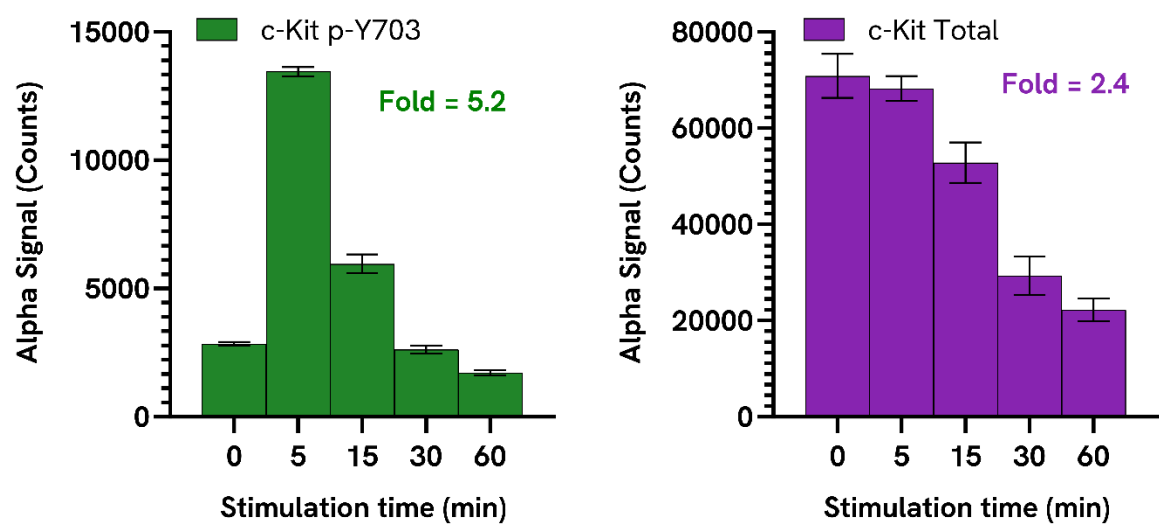
Positive Control Lysate: Prepared from RT4 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, treated with 200 μ M Pervanadate for 15 minutes and lysed with 4 mL of Lysis Buffer.

Representative data:

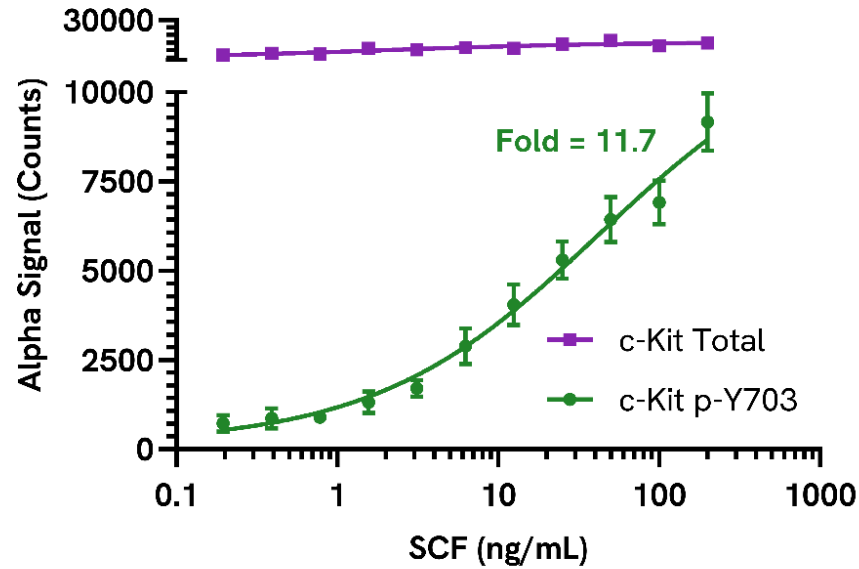
Data obtained with a 2-plate, 2-incubation protocol. UT-7 cells were seeded at 100K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with 100 ng/mL of SCF at indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr703) and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



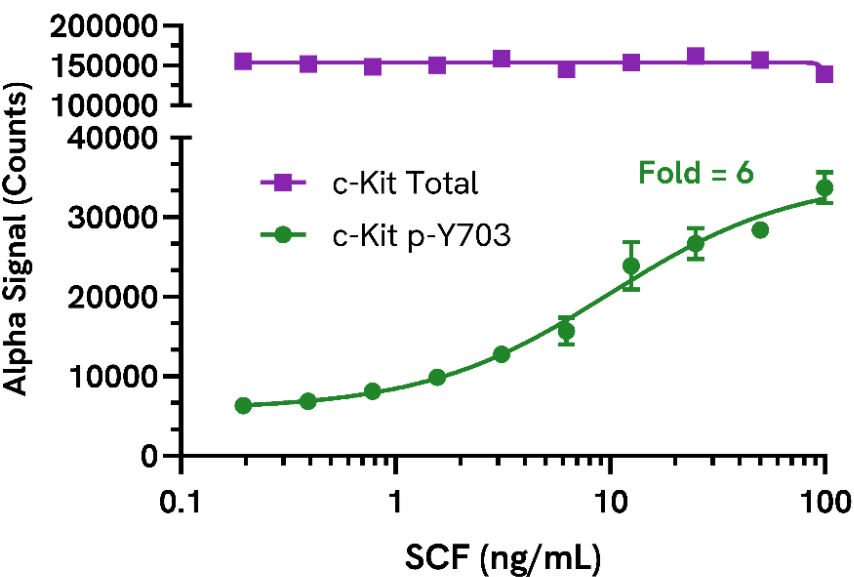
Data obtained with a 2-plate, 2-incubation protocol. HEL 92.1.7 cells were seeded at 400K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with 100 ng/mL of SCF at indicated time points. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr703) and Total c-Kit using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 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.



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