

AlphaLISA® SureFire® Ultra™

# Human p-BCR-ABL1 (Tyr412) Detection Kit

**Product number:** ALSU-PBCAB1-B500, ALSU-PBCAB1-B10K,  
ALSU-PBCAB1-B50K, ALSU-PBCAB1-B-HV



**Kit specificity:**

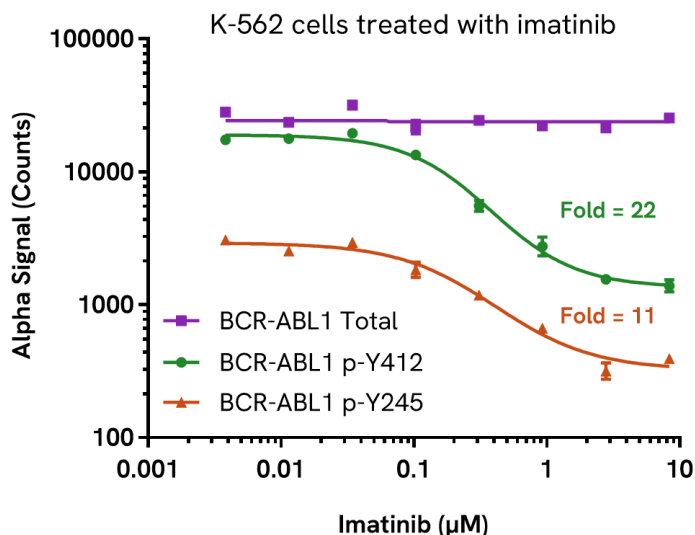
This assay kit contains antibodies which recognize the phospho-Tyr412 epitope on ABL1 and an epitope on BCR. This assay will only detect BCR-ABL1 fusion protein phosphorylated at Tyr412. The protein detected by this kit corresponds to UniProt ID A9UF07. BCR-ABL1 is also known as BCR/ABL fusion, Bcr/Abl p190 and Bcr/Abl p210. These antibodies recognize BCR-ABL1 of human origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

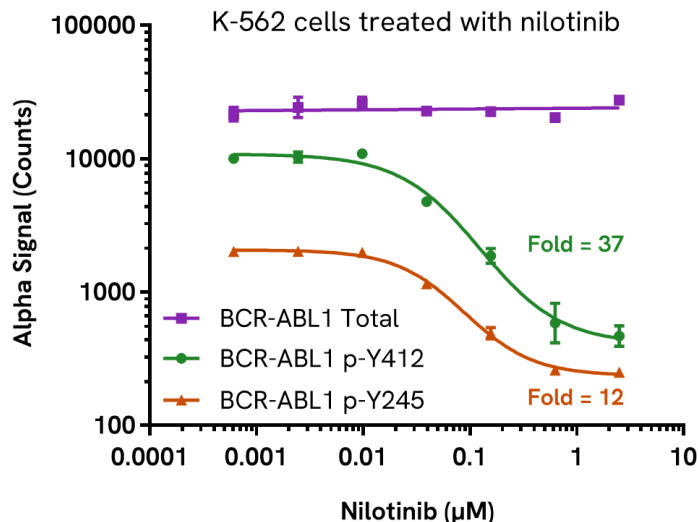
Positive Control Lysate: Prepared from untreated K-562 cells cultured in 10% FBS containing media. Cells were washed in HBSS and lysed with Lysis Buffer at a final concentration of 4 x 10<sup>6</sup> cells/mL.

**Representative data:**

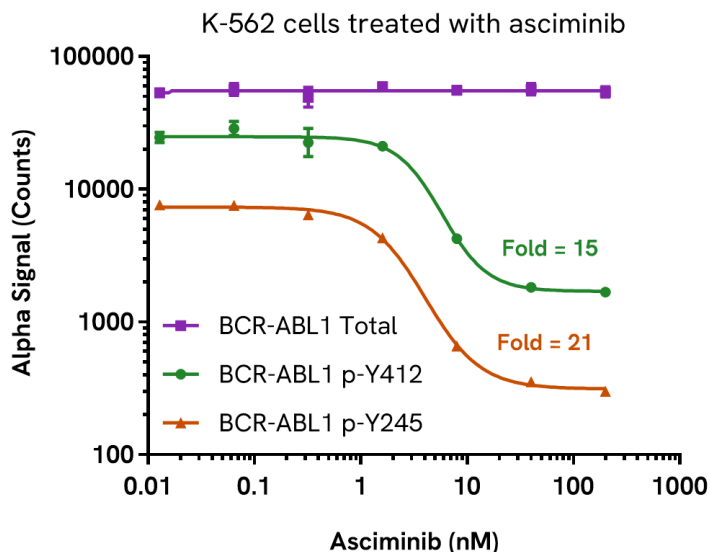
Data obtained with a 2-plate, 2-incubation protocol. K-562 cells were seeded at 100K cells/well in a 96-well plate and treated with imatinib at the indicated concentrations for 6 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr245), Phospho (Tyr412) and Total BCR-ABL1 using respective *SureFire Ultra* kits. Equivalent to approximately 10,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. K-562 cells were seeded at 100K cells/well in a 96-well plate and treated with nilotinib at the indicated concentrations for 6 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr245), Phospho (Tyr412) and Total BCR-ABL1 using respective *SureFire* assay kits. Equivalent to approximately 10,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. K-562 cells were seeded at 100K cells/well in a 96-well plate and treated with asciminib at the indicated concentrations for 6 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr245), Phospho (Tyr412) and Total BCR-ABL1 using respective *SureFire* assay kits. Equivalent to approximately 10,000 cells/datapoint.



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