

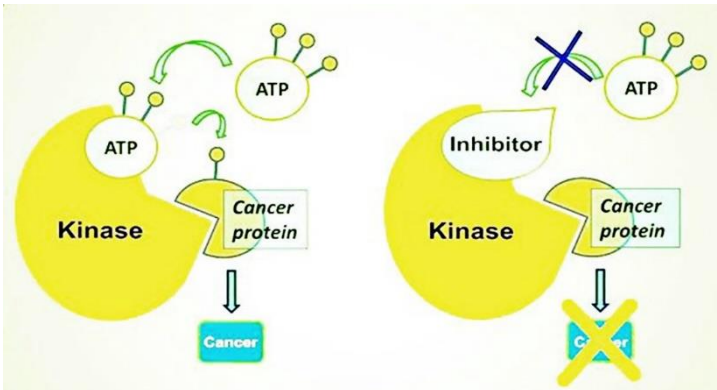


Kinase Stable Cell Lines

Cell-Based Kinase Assay Panel

1 Introduction

Kinases regulate the phosphorylation state of substrates in response to external stimuli which makes them very important to human physiology. Kinases are associated with many complex cellular pathways and their dysfunctions can lead to various types of human cancers and disorders.



Because of their important cellular functions, kinases have become **important drug targets in drug discovery and development** for the treatment of human diseases

especially diverse cancers. Small- molecule kinase inhibitors have shown prominent roles in clinical trials.

2 About Us



Creative Biogene is a leading provider of cell-based assay products and services to worldwide academic and pharmaceutical communities.

With decades of experience in stable cell line development and drug discovery, Creative Biogene has developed **a large collection of stable cell lines** that allow rapid and high-throughput **screening and determination of kinase-targeted compounds.**

3 Representative Assay Data

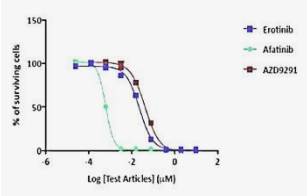


Fig 1. BaF3-EGFR Assay.
IC₅₀ of erlotinib, afatinib and AZD9291 were 22.3 nM, 0.643 nM and 42.7 nM respectively.

Fig 2. BaF3-FLT3 Assay.
IC₅₀ of sunitinib, sorafenib and quizartinib were 6.42 nM, 18.57 nM and 5.23 nM respectively.

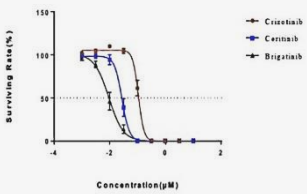
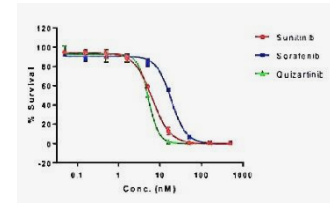
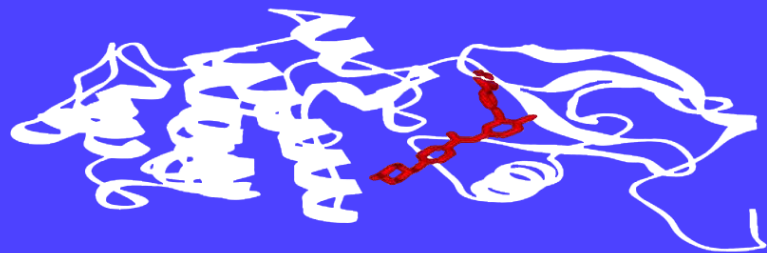


Fig 3. BaF3-EML4-ALK Assay.
IC₅₀ of crizotinib, ceritinib and brigatinib were 110.47 nM, 27.43 nM and 9.48 nM respectively.



Broad Coverage of Kinase Targets

Available Cell Lines for Screening

Ba/F3 Axl Cell Line
Ba/F3 BCR-ABL Cell Line
Ba/F3 BCR-ABL-T315I Cell Line
Ba/F3 BTK-C481S Cell Line
Ba/F3 C-Kit-D861V Cell Line
Ba/F3 C-Kit-V560G Cell Line
Ba/F3 EGFR-C797S Cell Line
Ba/F3 EGFR-D770-N771ins_SVD Cell Line
Ba/F3 EGFR-Del19 Cell Line
Ba/F3 EGFR-Del19/C797S Cell Line
Ba/F3 EGFR-Del19/T790M Cell Line
Ba/F3 EGFR-Del19/T790M/C797S Cell Line
Ba/F3 EGFR-Del19/T790M/L858R Cell Line
Ba/F3 EGFR-G719S Cell Line
Ba/F3 EGFR-G719S/T263P Cell Line
Ba/F3 EGFR-H773-V774ins_NPH Cell Line
Ba/F3 EGFR-L858R Cell Line
Ba/F3 EGFR-L858R/C797S Cell Line
Ba/F3 EGFR-L858R/T790M Cell Line
Ba/F3 EGFR-L861Q Cell Line
Ba/F3 EGFR-T790M Cell Line

Ba/F3 EGFR-T790M/C797S Cell Line
Ba/F3 EGFR-T790M/L858R/C797S Cell Line
Ba/F3 EGFR-T790M/L861Q Cell Line
Ba/F3 EGFR-VIII Cell Line
Ba/F3 EGFR-WT Cell Line
Ba/F3 EML4-ALK-C1156Y Cell Line
Ba/F3 EML4-ALK-D1203N/E1210K Cell Line
Ba/F3 EML4-ALK-D1203N/F1174C Cell Line
Ba/F3 EML4-ALK-F1174L Cell Line
Ba/F3 EML4-ALK-G1202Del Cell Line
Ba/F3 EML4-ALK-G1202R Cell Line
Ba/F3 EML4-ALK-L1196M Cell Line
Ba/F3 EML4-ALK-WT Cell Line
Ba/F3 ERBB2 A775_G776insYVMA
Ba/F3 ETV6-NTRK2 Cell Line
Ba/F3 ETV6-NTRK2-G639R Cell Line
Ba/F3 ETV6-NTRK2-G709S Cell Line
Ba/F3 ETV6-NTRK3 Cell Line
Ba/F3 ETV6-NTRK3-G623R Cell Line
Ba/F3 ETV6-NTRK3-G696A Cell Line
Ba/F3 ETV6-NTRK3-G696C Cell Line

Ba/F3 FLT3 Cell Line
Ba/F3 FLT3-D835V Cell Line
Ba/F3 FLT3-D835Y Cell Line
Ba/F3 FLT3-F691L Cell Line
Ba/F3 FLT3-ITD Cell Line
Ba/F3 FLT3-ITD-D835V Cell Line
Ba/F3 FLT3-ITD-D835Y Cell Line
Ba/F3 FLT3-ITD-F691L Cell Line
Ba/F3 HER2 Cell Line
Ba/F3 JAK2 V617F Cell Line
Ba/F3 LMNA-NTRK1 Cell Line
Ba/F3 LMNA-NTRK1 F589L Cell Line
Ba/F3 LMNA-NTRK1 G595R Cell Line
Ba/F3 LMNA-NTRK1 G667C Cell Line
Ba/F3 LMNA-NTRK1-G667A Cell Line
Ba/F3 LMNA-NTRK1-G667S Cell Line
Ba/F3 LMNA-NTRK1-V573M Cell Line
Ba/F3 Pg5HER2 Cell Line
Ba/F3 SLC34A2-ROS1 Cell Line
Ba/F3 SLC34A2/ROS1-G2032R Cell Line

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