



Kinase Selectivity Profiling

HD Biosciences offers comprehensive kinase solution services from assay development and high throughput screening (HTS) to selectivity profiling. All the assays developed by HDB are HTS-compatible.

A diversified list of kinases is ready for profiling service. Customized panels can be selected based on needs. The panel is good for single compound test and/or library screening in single dose measurement and IC50 determination.

Selectivity Panel of 59 Kinases		
Enzyme Full Name	Species	Kinase Family
ABL1	Human	Tyr kinase
AKT1	Human	Ser/Thr kinase
ALK	Human	Tyr kinase
AMPK (A1/B1/G1)	Human	Ser/Thr kinase
AMPK (A2/B1/G1)	Human	Ser/Thr kinase
Aurora A	Human	Ser/Thr kinase
Aurora B	Human	Ser/Thr kinase
AXL	Human	Receptor Tyr kinase
BLK	Human	Tyr kinase
CAMK1	Human	Ser/Thr kinase
CDK1/CyclinA2	Human	Ser/Thr kinase
CDK2/CyclinA2	Human	Ser/Thr kinase
CDK4/CyclinD1	Human	Ser/Thr kinase
CDK7/CyclinH1/MNAT1	Human	Ser/Thr kinase
CHK1	Human	Ser/Thr kinase
C-Kit	Human	Tyr kinase
C-Kit (V654A)	Human	Tyr kinase
EGFR	Human	Receptor Tyr kinase
EphA1	Human	Receptor Tyr kinase
EphB2	Human	Receptor Tyr kinase
ERK1	Human	Ser/Thr kinase
FGFR1	Human	Receptor Tyr kinase
FGR	Human	Tyr kinase
FLT1 (VEGFR1)	Human	Receptor Tyr kinase
FLT3	Human	Receptor Tyr kinase

GSK3 α	Human	Ser/Thr kinase
GSK3 β	Human	Ser/Thr kinase
HER2	Human	Receptor Tyr kinase
IGF1R	Human	Receptor Tyr kinase
InsR	Human	Receptor Tyr kinase
JNK1	Human	Ser/Thr kinase
KDR (VEGFR2)	Human	Receptor Tyr kinase
LCK	Human	Tyr kinase
NEK2	Human	Ser/Thr kinase
p38 α	Human	Ser/Thr kinase
p38 β	Human	Ser/Thr kinase
PDGFR α	Human	Tyr kinase
PDGFR β	Human	Tyr kinase
PI3K α	Human	Lipid kinase
PI3K β	Human	Lipid kinase
PI3K δ	Human	Lipid kinase
PI3K ϵ	Human	Lipid kinase
PKA α	Human	Ser/Thr kinase
PKA β	Human	Ser/Thr kinase
PKA γ	Human	Ser/Thr kinase
PKC α	Human	Ser/Thr kinase
PKC γ	Human	Ser/Thr kinase
PKC ϵ	Human	Ser/Thr kinase
PLK1	Human	Ser/Thr kinase
PLK2	Human	Ser/Thr kinase
PLK3	Human	Ser/Thr kinase
RAF1 (C-Raf)	Human	Ser/Thr kinase
B-Raf	Human	Ser/Thr kinase
B-Raf (V599E)	Human	Ser/Thr kinase
RET	Human	Receptor Tyr kinase
RON	Human	Receptor Tyr kinase
SRC	Human	Tyr kinase
TrkA	Human	Receptor Tyr kinase
TrkB	Human	Receptor Tyr kinase

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