

DiscoverX

PathHunter[®] eXpress FLT3 Activity Assay

Catalog Number: 93-0901E3

Lot Number:

See Vial

Contents:

1 x 10⁶ cells per vial in 0.1 mL

Background

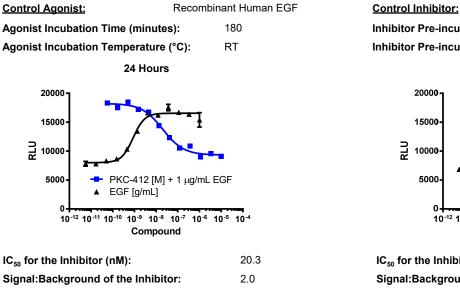
PathHunter RTK Activity cell lines are engineered to express a fusion of the intracellular catalytic domain from the target RTK and the extracellular ligand binding domain of EGFR. This fusion protein is tagged with ProLinkTM (PK). The cells co-express an Enzyme Acceptor (EA) tagged SH2 domain. Ligand induced cross-phosphorylation of the PK-tagged fusion protein leads to SH2-EA recruitment, forcing complementation of the two β -galactosidase enzyme fragments (EA and PK). The resulting functional enzyme hydrolyzes substrate to generate a chemiluminescent signal. These cells have been modified to prevent long term propagation and expansion using a proprietary compound that has no apparent effect on assay performance.

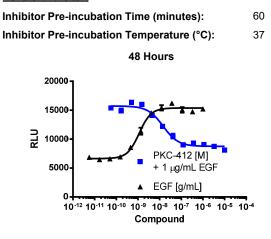
Product Information

Target Kinase Domain:	FLT3 Amino Acid Range: (aa 540 - 993)
Description:	Fms-related tyrosine kinase 3
Target Accession #:	NM_004119
KinaseSpecies:	Human
RTK Membrane Domain:	tEGFR [Accession #: NM_005228.3] Amino Acid Range: (aa 1 - 675)
SH2 Domain:	PLCG2
Cell Type:	U2OS
Cell Plating Reagent:	AssayComplete™ Cell Plating 16 Reagent
Storage:	Short term (<24 h): Store at -80°C; Long term (>24 h): Store in vapor phase of liquid nitrogen.

Functional Performance

Cells were plated in a 96-well plate and incubated for 24 or 48 hours at 37° C and 5% CO₂. Cells were then pre-incubated with inhibitor, followed by stimulation with the control agonist using the assay conditions described below. Following agonist stimulation, signal was detected using the PathHunter Detection Reagents provided in the kit according to the recommended protocol. For a detailed protocol, please refer to the user manual.





IC ₅₀ for the Inhibitor (nM):	14.5
Signal:Background of the Inhibitor:	2.0

PKC-412

эідпаі:васкугочни от те інпірітог:



🛟 eurofins

Additional Information

Control Agonist: Recombinant Human EGF **Vendor:** Eurofins DiscoverX[®] (Catalog No. 92-1113)

Control Inhibitor PKC-412

Vendor: DiscoverX® (Catalog No. M1323)

Limited Use License Agreement

These products may be covered by issued US and/or foreign patents, patent application and subject to Limited Use Label License.

Please visit discoverx.com/license for a list of products that are governed by limited use label license terms and relevant patent and trademark information.

Ordering: +1.510.979.1415 option 4 or e-mail CustomerServiceDRX@eurofins.com Technical support: +1.510.979.1415 option 5 or e-mail DRX_SupportUS@eurofinsUS.com General product information: www.discoverx.com