

VHL Molecular Glue/PROTAC Molecule Screening Assay Kit

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Why Choose Aurora Biolabs TR-FRET Inhibitor Screening Assay Kits?

Proven Convenience

- All reagents & rxn plate included.

Components			
Catalog number	Item	Amount	Storage
845225-B	VHL Binding assay buffer	25 mL	-20°C
845225-M	Recombinant human VHL-5C	40 µL	-80°C
84032	Fluorescence-labeled VH032 (FL-VH032)	200 µL	-80°C
44732	Fluorescence labeled anti-Tag1 antibody	40 µL	-80°C
	384-well microplate	1	Room temperature

Proven Procedure

- Optimized step-by-step protocols provided.

Protocol Summary			
Component	Negative Control	Positive Control	Inhibitor Test
assay buffer	4 µl		
VHL-5C protein		4 µl	4 µl
compound dilution Buffer (Assay buffer or 10% DMSO)	2 µl	2 µl	
Inhibitor solution			2 µl
FL-VH032	4 µl	4 µl	4 µl
Dye solution	10 µl	10 µl	10 µl
Total Volume	20 µl	20 µl	20 µl
Incubate at room temperature for 60 minutes.			

Sensitivity Guaranteed

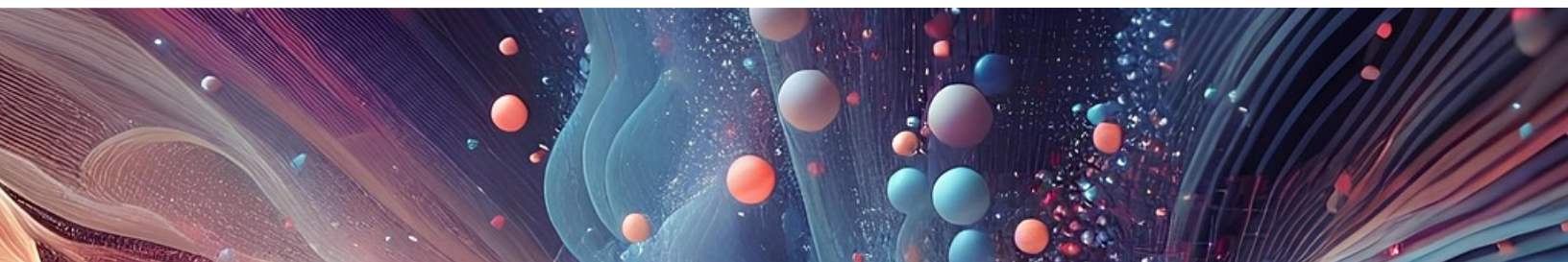
- TR-FRET Assay is well known to be more sensitive than traditional enzyme-based assays due to the lanthanide-based donor fluorophores, which have long fluorescence lifetimes, and time-resolved detection, which minimizes background fluorescence interference.

High Throughput Capable

- TR-FRET Assay can be run in 384-well plates and easily automated on different platforms.

Unparalleled Technical Support

- Our assay scientists and developers have decades of experience working on assays for drug discovery and optimization. Assay-related issues are quickly answered and resolved by the same scientists and developers, who have intimate and expert knowledge on the assays and can address any issues with speed and accuracy.

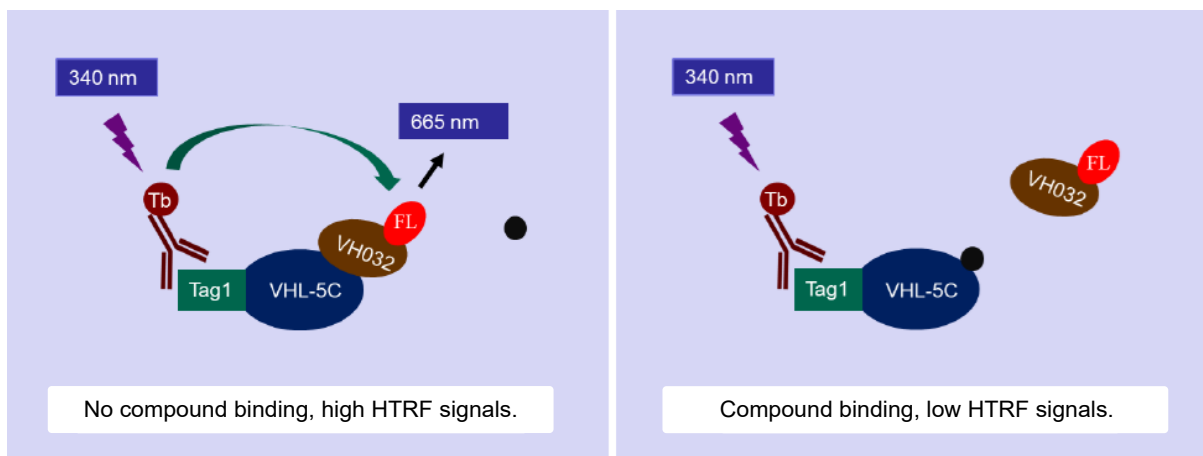


VHL Assay Principle And Performance

Targeted protein degradation is a wide-ranging therapeutic strategy that utilizes the ubiquitin-protease pathway to target and eliminate disease-causing proteins in cancer, immune diseases, and infections. PROTAC and Molecular Glue are two popular approaches for bringing the target proteins to the ubiquitination machinery.

The Aurora Biolabs TR-FRET VHL Binding Assay Kit is a high-throughput assay kit for screening for compounds that bind to the VHL subunit. Aurora Biolabs can also custom design a similar screening assay with E3 ubiquitin ligase of your choice.

VHL TR-FRET Assay Nuts and Bolts



Performance Characteristics

