



# PD-1/PD-L1 and OX40/OX40L Inhibitor Screening Assay Kits

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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
234822-B	Assay buffer	25 mL	-20°C
237353	Recombinant human Tag8-PD-1	60 µL	-80°C
237354	Recombinant human Tag7-PD-1L	5 µL	-80°C
728526	Terbium-labeled anti-Tag8 antibody	20 µL	-80°C
432322	fluorescence-labeled anti-Tag7 antibody	40 µL	-80°C
	384-well microplate, White	1	Room temperature

Components			
Catalog number	Item	Amount	Storage
2369402	Assay buffer	25 mL	-20°C
2369403	Recombinant human Tag8-OX40	20 µL	-80°C
2369404	Recombinant human Tag7-OX40L	5 µL	-80°C
728526	Terbium-labeled anti-Tag8 antibody	20 µL	-80°C
432322	fluorescence-labeled anti-Tag7 antibody	20 µL	-80°C
	384-well microplate, White	1	Room temperature

## Proven Procedure

- Optimized step-by-step protocols provided.

Protocol Summary			
Component	Negative Control	Positive Control	Inhibitor Test
1X buffer	4 µL		
PD-1 protein		4 µL	4 µL
Inhibitor solvent	2 µL	2 µL	
Inhibitor solution			2 µL
Subtotal Volume	6 µL	6 µL	6 µL
Incubate at room temperature for 30 minutes.			
PD-L1 protein	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 1 hour.			
Ox40 protein		4 µL	4 µL
Inhibitor solvent	2 µL	2 µL	
Inhibitor solution			2 µL
Subtotal Volume	6 µL	6 µL	6 µL
Incubate at room temperature for 30 minutes.			
Ox40L protein	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 1 hour.			

## 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.

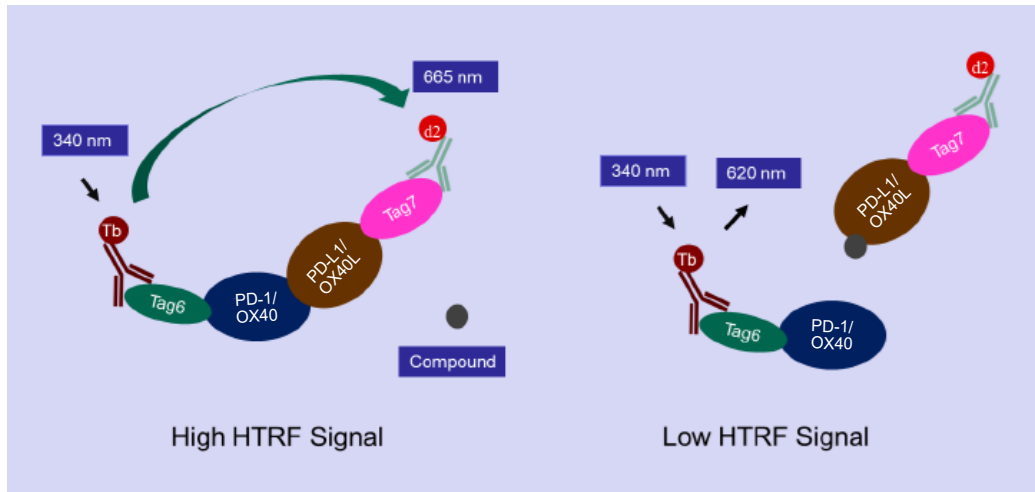
## Unparalleled Technical Support

- 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.

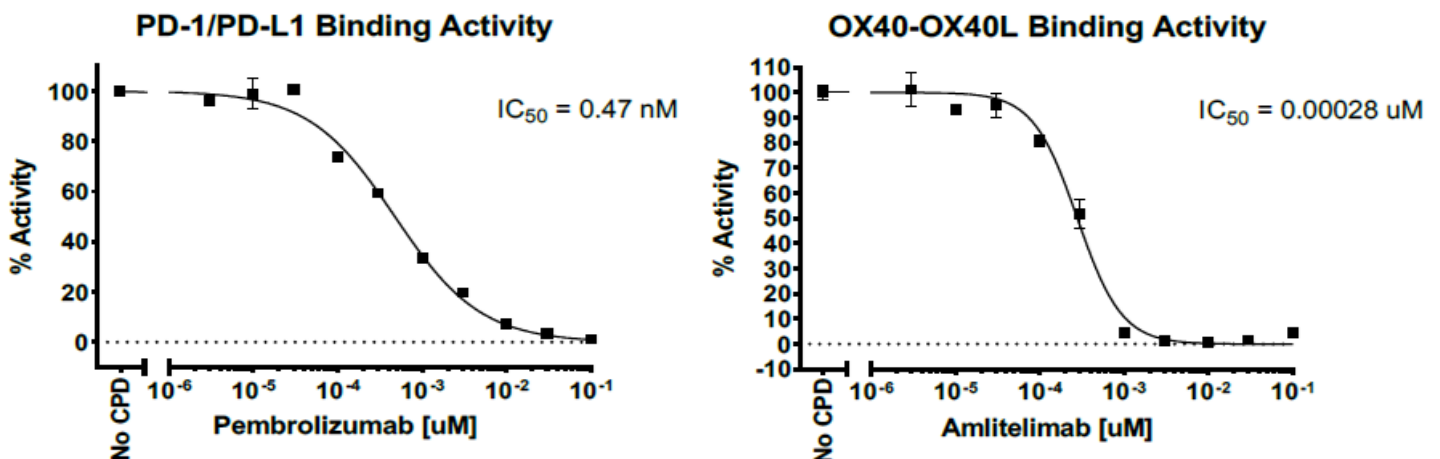
# PD-1/PD-L1 & OX40/OX40L

## Assay Principle And Performance

### TR-FRET Assay Nuts and Bolts



### Performance Characteristics



- Binding curves of PD-1/PD-L1 and OX40/OX40L in the presence of increasing concentrations of monoclonal antibodies.