

Customized Service



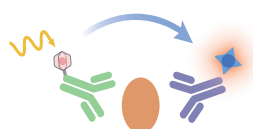
About VKEY-BIO

VKEY-BIO is fully devoted to empowering the pharmaceutical industry with unwavering scientific research ethos. We develop in cutting-edge technology platforms, offering total solution in vitro R&D services tailored to life science researchers' needs. Our expertise spans molecular biology, cell biology, oncology, immunology, and in vitro pharmacology, covering services like GPCR studies, kinase activity detection, nuclear receptor research, and cell function research. With advanced technologies such as Luminescence and TR-FRET, our multiple screening platforms ensure exceptional scientific solutions and discoveries.

Platforms



- Immune checkpoint
- Antibody Fc function
- Kinase Target Engagement (Cell-based)
- GPCRs (Cell-based)
- PROTAC (Cell-based)
- Signal pathway (Cell-based)
- PPI (Cell-based)



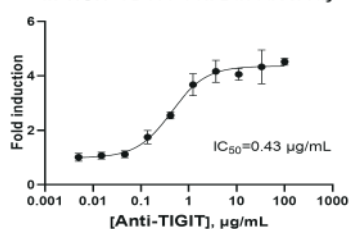
- Cytokines Detection
- GPCRs (cAMP,IP1)
- Phosphoprotein Detection
- IgG /Fc Detection
- PROTAC (Biochemical)
- PPI (Biochemical)
- Kinase activity (Biochemical)
- Methylation, Acetylation, Ubiquitination

Examples

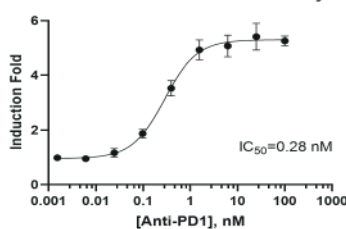
Immune checkpoint inhibitors Screening:

We use the reporter gene method to screen immune checkpoint inhibitors, including TIGIT/CD155, PD-1/PD-L1, etc..

Dose Response of Anti-TIGIT Antibody in TIGIT-CD155 Cell Based Assay



Dose Response of Anti-PD1 Antibody in PD1/PD-L1 Cell Based Assay



Customized Labeling Service

TR-FRET Fluorescent Dye Labeling is utilized for various assay development. Our labeling service allows efficient labeling of diverse samples, including proteins, peptides, antibodies, compounds, and more, facilitating a wide range of applications.

Dye	Tests	Sample Needed	Delivery Time
LA / FITC	2,000	200 µg	1-2 weeks
LA / FITC	10,000	500 µg	1-2 weeks
Solar Eu / Tb	2,000	100 µg	1-2 weeks
Solar Eu / Tb	10,000	200 µg	1-2 weeks

Customized Development Service

Based on customer requirements, we utilize TR-FRET technology to develop customized assay models, including protein-protein interactions, kinase, Phosphoprotein, biomarker, etc..

Assay Type	Delivery Time	Listing Price
Anti-tag antibody pair optimization	1-2 weeks	Inquiry
PPI Assay	4-6 weeks	Inquiry
Kinase Assay	4-10 weeks	Inquiry
Biomarker Assay	4-10 weeks	Inquiry
Cell-based Assay	4-12 weeks	Inquiry

Examples

PPI inhibitor Screening model:

