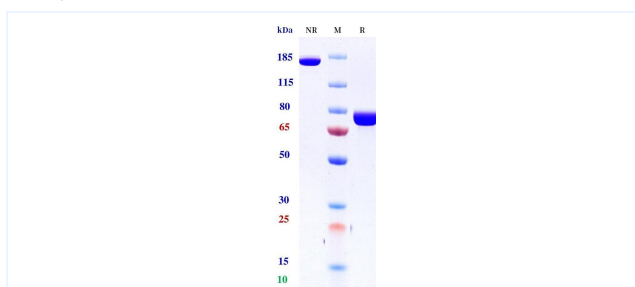


## Product Details

Product name:	Anti-4-1BB & TPBG/5t4 (Apv-527 Biosimilar)	SKU:	BIO1017SM
Target Name:	4-1BB & TPBG/5t4	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	Q07011 & Q13641	Concentration:	Lyophilized
Clone#:	Apv-527 (Bispecific)	Isotype:	ScFv-Fc-ScFv
Reactivity:	Human	Calculated M.W.:	157.94 kDa
Application:	ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<0.001 EU/ug
Formulation:	100 mM Pro-Ac 20mM Arg pH 5.0	Conjugation:	None
Storage:	-20°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.	Expression System:	CHO
Reconstitution:	Dissolve with sterile ddH <sub>2</sub> O	Purification:	Protein A

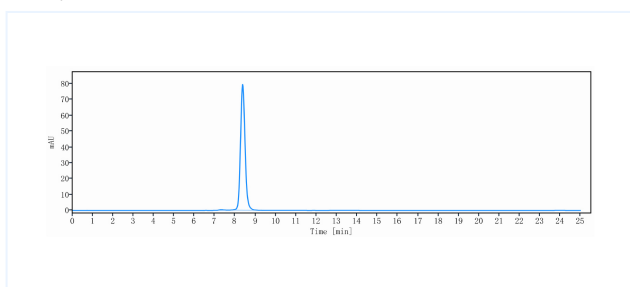
## Data

### Purity: SDS-PAGE



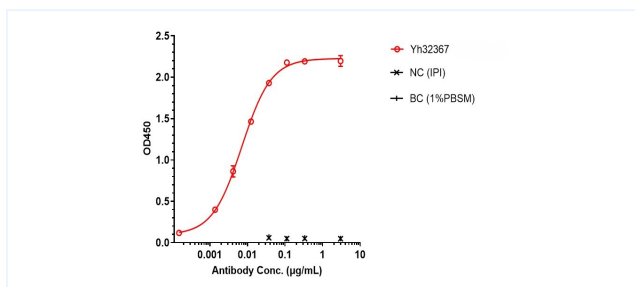
Anti-4-1BB & TPBG/5t4 Reference Antibody (Apv-527) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

### Purity: SEC-HPLC



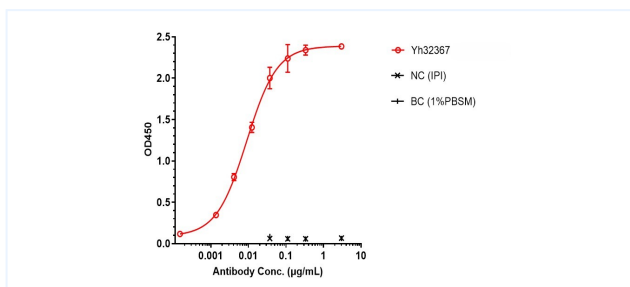
The purity of Anti-4-1BB & TPBG/5t4 Reference Antibody (Apv-527) is 98.99%, determined by SEC-HPLC.

### ELISA



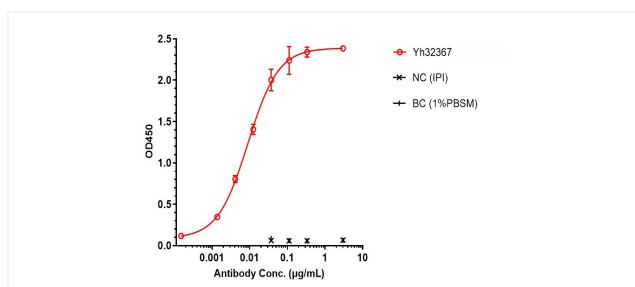
Yh32367 bound to 4-1BB protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Yh32367 bound to hu-4-1BB-His, and the EC<sub>50</sub> was 0.007 nM.

### ELISA



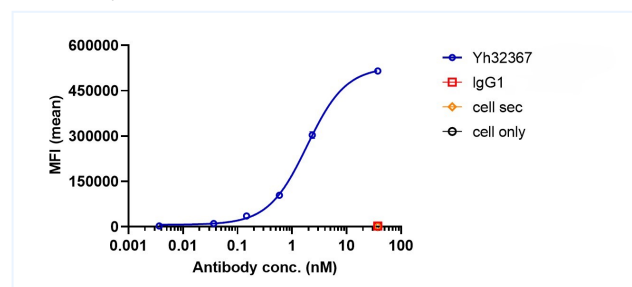
Yh32367 bound to Her2 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Yh32367 bound to hu-Her2-His, and the EC<sub>50</sub> was 0.009 nM.

## ELISA



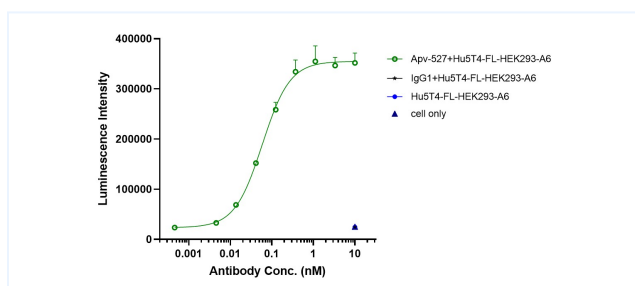
Yh32367 bound to Her2 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Yh32367 bound to hu-Her2-His, and the EC50 was 0.009 nM.

## Bioactivity: FACS



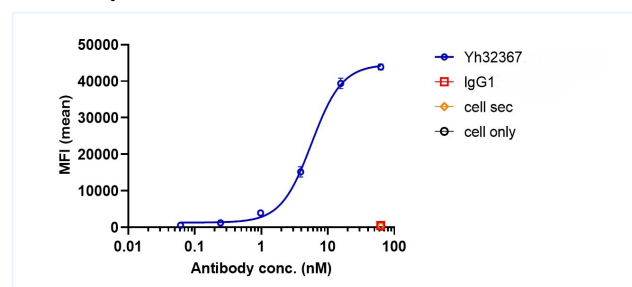
Yh32367 bound to BT474 cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy PE), and test by flow cytometry. As shown in fig, Yh32367 bound to BT474 cells, and the EC50 was 1.889 nM.

## Function: Luciferase



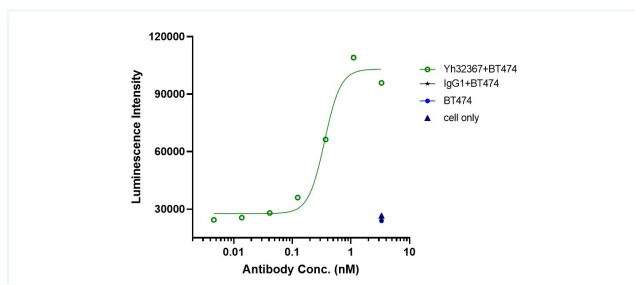
Co-incubation of Yh32367 with 4-1BB-NF-κB-Jurkat cells, then with the addition of BT474 cells for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Yh32367 was able to activate the NF-κB signaling pathway, and the EC50 was 0.355 nM.

## Bioactivity: FACS



Yh32367 bound to hu4-1BB-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy PE), and test by flow cytometry. As shown in fig, Yh32367 bound to hu4-1BB-CHO-K cells, and the EC50 was 5.701 nM.

## Function: ADCC



Co-incubation of Yh32367 with BT474 cell and PBMCs for 4 hours, then LDH was detected to evaluate the ADCC activity of Yh32367. As shown in fig, Yh32367 has ADCC activity, and the IC50 was 0.054 nM.