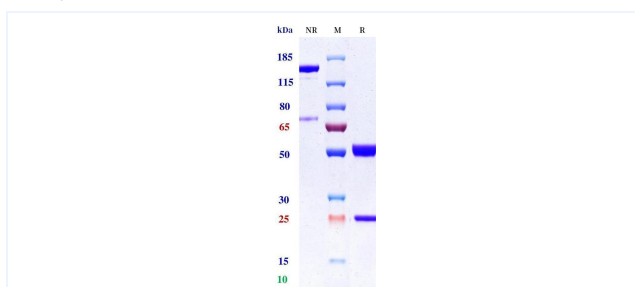


## Product Details

Product name:	Anti-PD-1 & TIM-3 (Lomvastomig Biosimilar)	SKU:	BIO1014SM
Target Name:	PD-1 & TIM-3	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	Q15116 & Q8TDQ0	Concentration:	Lyophilized
Clone#:	Lomvastomig (Bispecific)	Isotype:	IgG-like
Reactivity:	Human	Calculated M.W.:	145.34 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

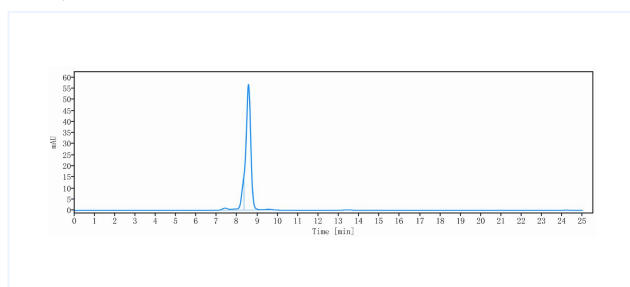
## Data

### Purity: SDS-PAGE



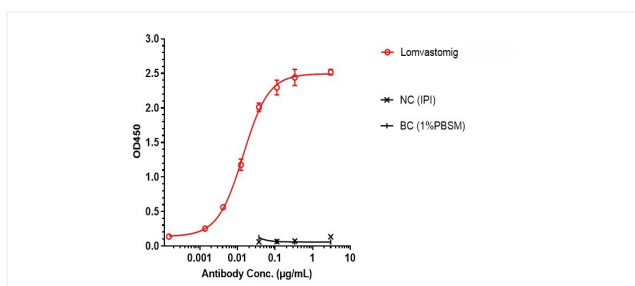
Anti-PD-1 & TIM-3 Reference Antibody (Lomvastomig) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

### Purity: SEC-HPLC



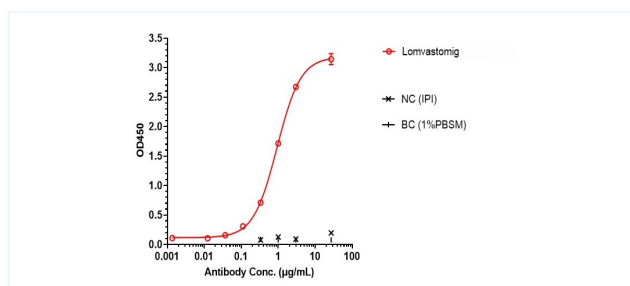
The purity of Anti-PD-1 & TIM-3 Reference Antibody (Lomvastomig) is 90.00%, determined by SEC-HPLC.

### ELISA



Lomvastomig bound to PD-1 protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig,Lomvastomig bound to hu-PD-1-His, and the EC<sub>50</sub> was 0.014 nM.

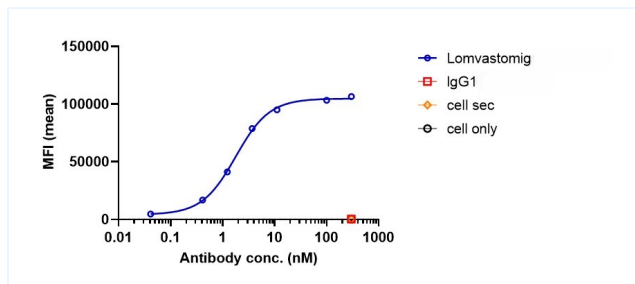
### ELISA



Lomvastomig bound to TIM-3 protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig, Lomvastomig bound to hu-TIM-3-His, and the EC<sub>50</sub> was 0.933 nM.

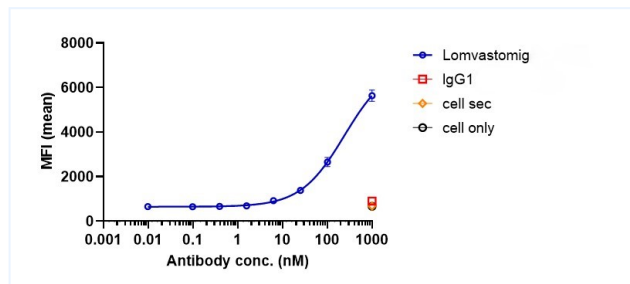
**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

### Bioactivity: FACS



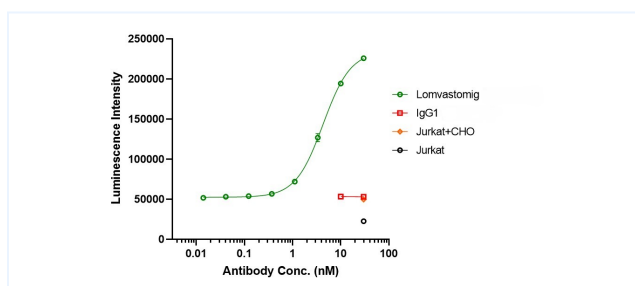
Lomvastomig bound to huPD-1-Jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Lomvastomig bound to huPD-1-Jurkat cells, and the EC50 was 1.788 nM.

### Bioactivity: FACS



Lomvastomig bound to huTIM3-FL-HEK293 cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Lomvastomig bound to huTIM3-FL-HEK293 cells, and the EC50 was 239.100 nM.

### Function: Luciferase



Co-incubation of Lomvastomig with PD-1-NF-AT-Jurkat and CD3L-huPD-L1-CHO-K cells and incubated for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Lomvastomig was able to block the PD-1/PD-L1 signaling pathway and the EC50 was 4.300 nM.