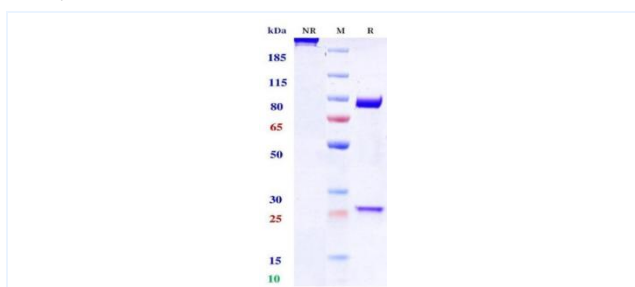


## Product Details

Product name:	Anti-PD-1 & CTLA-4 (Cadonilimab Biosimilar)	SKU:	BIO0960SM
Target Name:	PD-1 & CTLA-4	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	Q15116 & P16410	Concentration:	Lyophilized
Clone#:	Cadonilimab (Bispecific)	Isotype:	IgG-ScFv
Reactivity:	Human	Calculated M.W.:	198.64 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

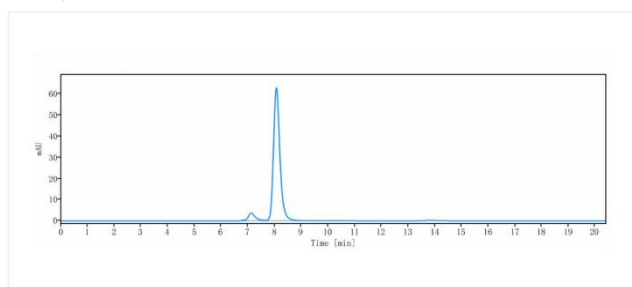
## Data

### Purity: SDS-PAGE



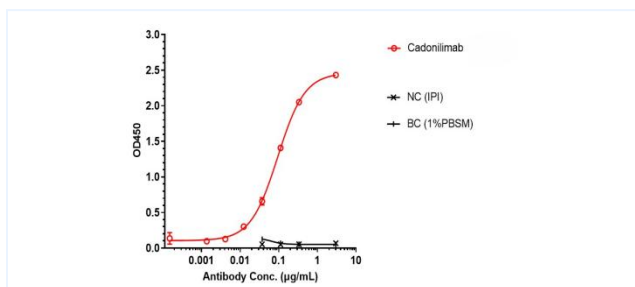
Anti-PD-1 & CTLA-4 Reference Antibody (cadonilimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

### Purity: SEC-HPLC



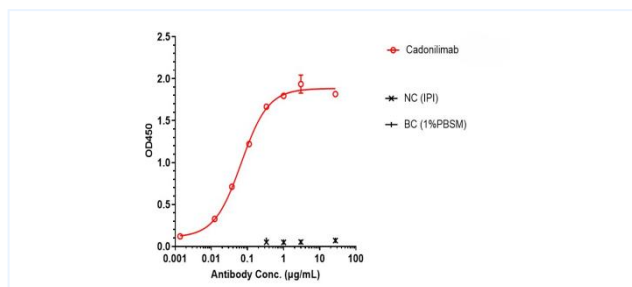
The purity of Anti-PD-1 & CTLA-4 Reference Antibody (cadonilimab) is 98.79%, determined by SEC-HPLC.

### ELISA



Cadonilimab bound to PD-1 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Cadonilimab bound to in human PD-1 Protein-His, and the EC<sub>50</sub> was 0.09436 nM.

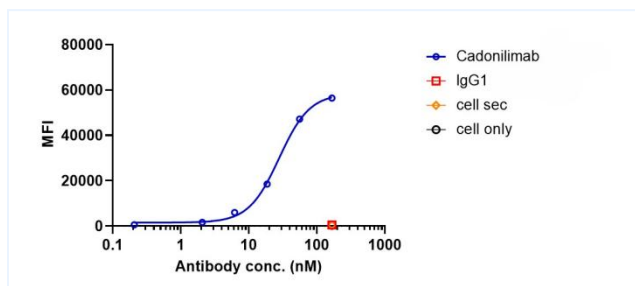
### ELISA



Cadonilimab bound to CTLA4 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Cadonilimab bound to in human CTLA4 Protein-His, and the EC<sub>50</sub> was 0.06733 nM.

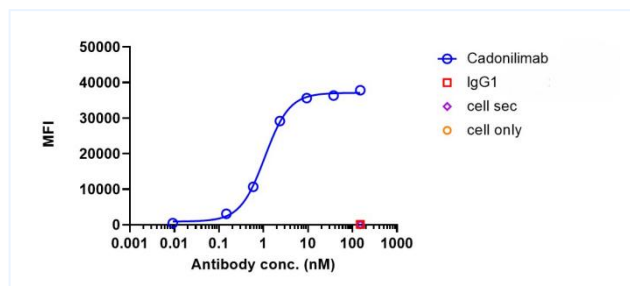
**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

#### Bioactivity: FACS



Cadonilimab bound to huCTLA4-CHO cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Cadonilimab bound to huCTLA4-CHO cells, and the EC50 was 27.870 nM.

#### Bioactivity: FACS



Cadonilimab bound to PD-1-Jukat cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy) , and tesby flow cytometry. As shown in fig, Cadonilimab bound to PD-1-Jukat cells, and the EC50 was 1.071 nM.