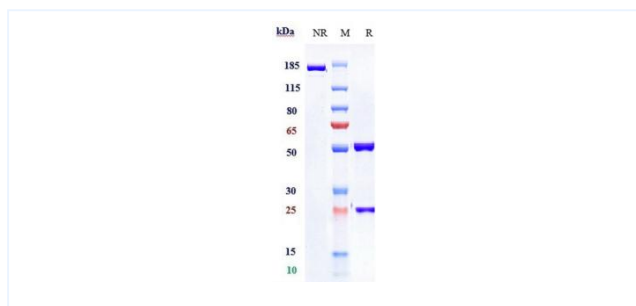


Product Details

Product name:	Anti-human PDCD1 / PD-1 / CD279 (pembrolizumab Biosimilar)	SKU:	BIO0058SM
Target Name:	PDCD1 / PD-1 / CD279	Size:	1 mg/5 mg/20 mg
Target Uniprot:	Q15116	Concentration:	Lyophilized
Clone#:	pembrolizumab	Isotype:	Human IgG4SP
Reactivity:	Human, Cynomolgus, Rhesus	Calculated M.W.:	143.44 kDa
Application:	ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<0.001 EU/ug
Formulation:	0.1M Pro, 20mM Arg, pH5.0	Conjugation:	None
Storage:	For long term storage, the produce should be stored at -20° C or lower.	Expression System:	CHO
Reconstitution:	Dissolve with sterile ddH2O	Purification:	Protein A

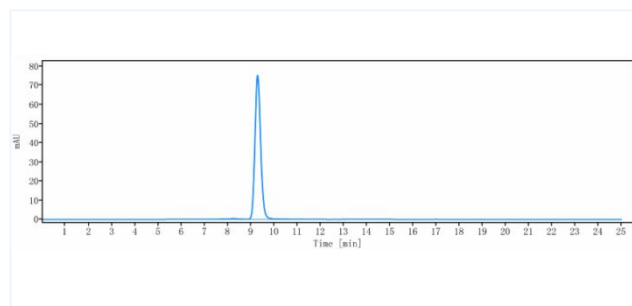
Data

Purity:SDS-PAGE



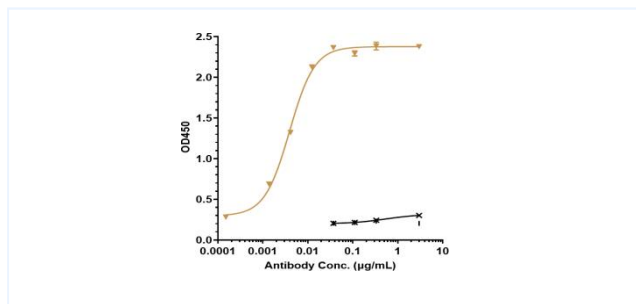
Anti-PDCD1 / PD-1 / CD279 (pembrolizumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity:SEC-HPLC



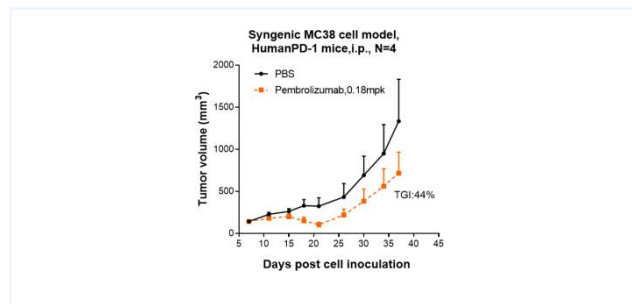
The purity of Anti-PDCD1 / PD-1 / CD279 (pembrolizumab) is more than 95%, determined by SEC-HPLC.

Bioactivity:ELISA



Immobilized human PD-1 His at 2 µg/mL can bind Anti-PDCD1 / PD-1 / CD279 (pembrolizumab), EC50=0.0039 µg/mL.

Research in vivo



Pembrolizumab inhibited the tumor growth of MC38 on human PD-1 mice. The result showed significant anti-tumor effects, with a tumor inhibition rate (TGI) of 44.0% at 0.18 mpk at D37.