



CERTIFICATE OF ANALYSIS

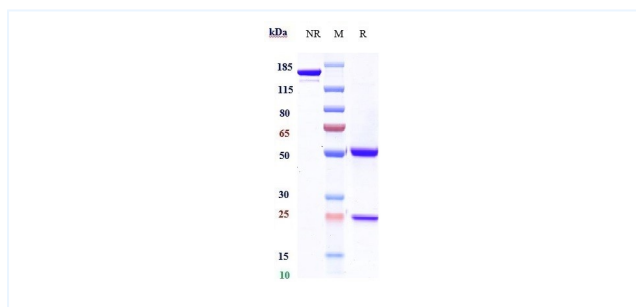


Product Details

Product name:	Anti-CTLA-4 / CD152 Reference Antibody (ipilimumab)	Lot.No.:	P72064
Target Name:	CTLA-4 / CD152	Catalog:	CHA032
Target Accession:	P16410	Concentration:	1 mg/ml
Clonality:	Monoclonal	Isotype:	IgG1
Reactivity:	Human, Mouse, Cynomolgus [WO2001014424]	Calculated MW:	145.38 kDa
Application:	ELISA, FACS, Functional assay, Animal Model	Endotoxin:	<0.001 EU/ug
Contains:	No preservative	Conjugation:	Unconjugated
Formulation:	1 x PBS, pH 6.0	Expression System:	CHO
Storage:	-80°C for 2 years under sterile conditions -20°C for 1 year under sterile conditions Avoid repeated freeze-thaw cycles.	Purification:	Protein A

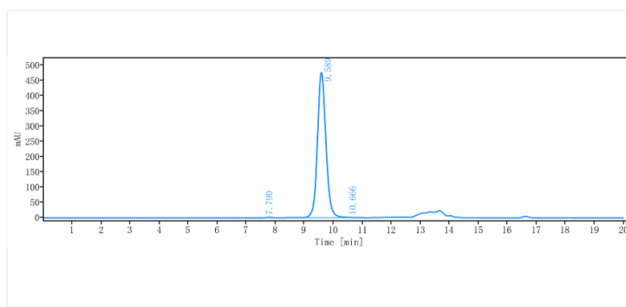
Data

Purity:SDS-PAGE



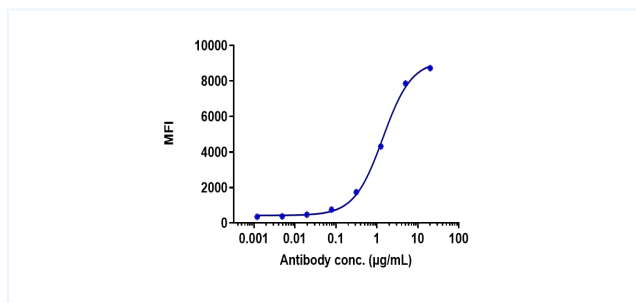
Anti-CTLA-4 / CD152 Reference Antibody (ipilimumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity:SEC-HPLC



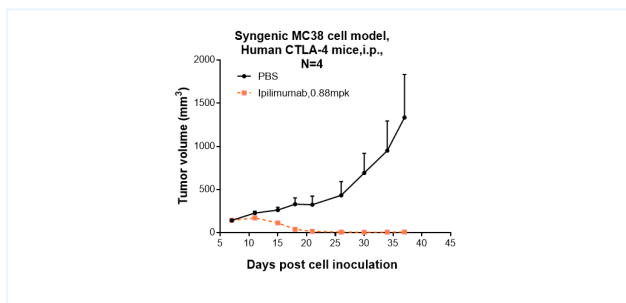
The purity of Anti-CTLA-4 / CD152 Reference Antibody (ipilimumab) is 99.37%, determined by SEC-HPLC.

Bioactivity:FACS



Human CTLA-4 & Human PD-1 CHO-K cells were stained with Anti-CTLA-4 / CD152 Reference Antibody (ipilimumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC₅₀=0.2270 ug/mL.

Research in vivo



Ipilimumab inhibited the tumor growth of MC38 on huCTLA-4 mice. The result showed significant anti-tumor effects, with a tumor inhibition rate (TGI) of 99.3% at 0.88 mpk at D37.

The products are for research use only. Not for use in diagnostic procedures.