



CERTIFICATE OF ANALYSIS

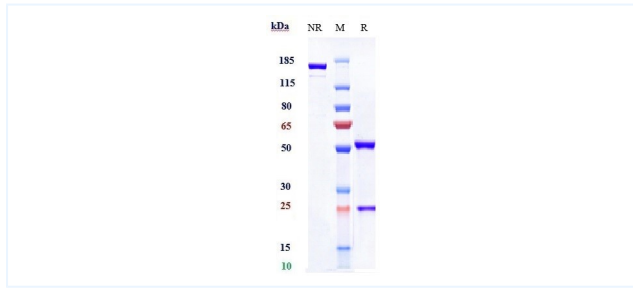


Product Details

Product name:	Anti-B7-H1 / PD-L1 / CD274 Reference Antibody (durvalumab)	Lot.No.:	
Target:	B7-H1 / PD-L1 / CD274	Catalog:	CHA084
Target Accession:	Q9NZQ7 / Q9EP73 / A0A2K5VLY1	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	Human IgG1
Reactivity:	Human / Mouse / Cynomolgus PD-L1	Molecular Weight (kDa) :	150 kDa
Application:	FCM, WB, Block, In Vivo, ELISA	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0 Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	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

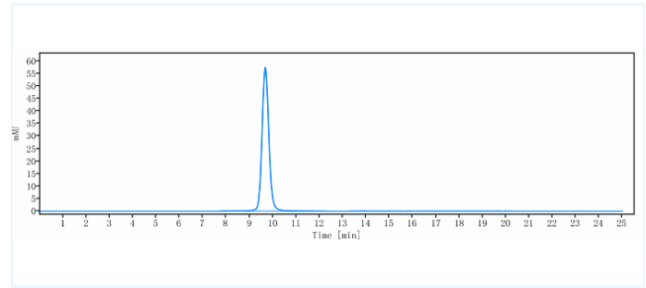
Data

Purity: SDS-PAGE



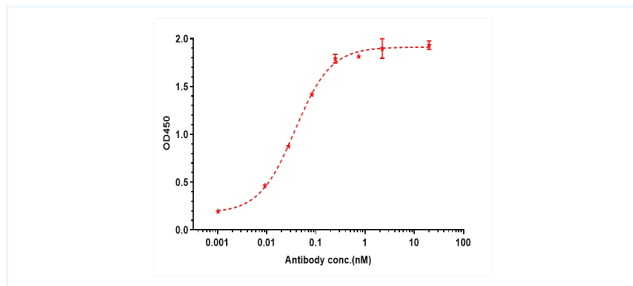
Anti- Human/Mouse/Monkey PD-L1 (Durvalumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



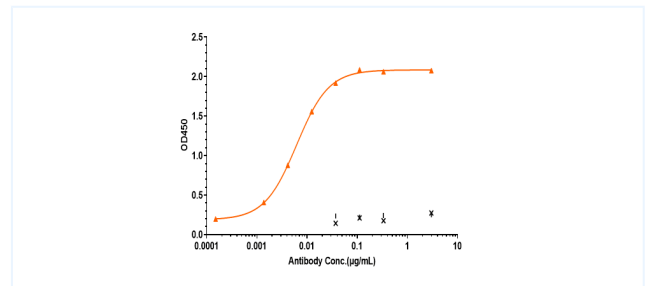
The purity of Anti- Human/Mouse/Monkey PD-L1 (Durvalumab) is 100%, determined by SEC-HPLC.

ELISA



Immobilized human PD-L1 (His Tag, 2µg/mL) can bind to Anti-Human/Mouse/Monkey PD-L1 (Durvalumab) with an EC50 of 0.03756 ug/mL.

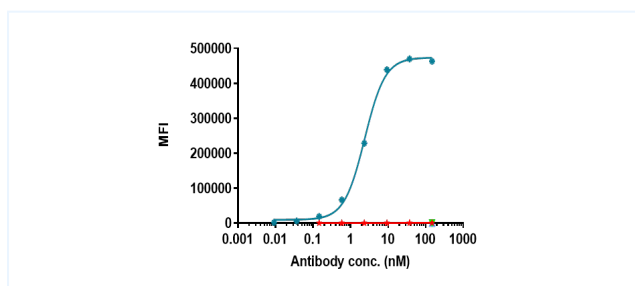
ELISA



Immobilized cynomolgus PD-L1 (FC Tag, 2µg/mL) can bind to Anti-Human/Mouse/Monkey PD-L1 (Durvalumab) with an EC50 of 0.006186 ug/mL.

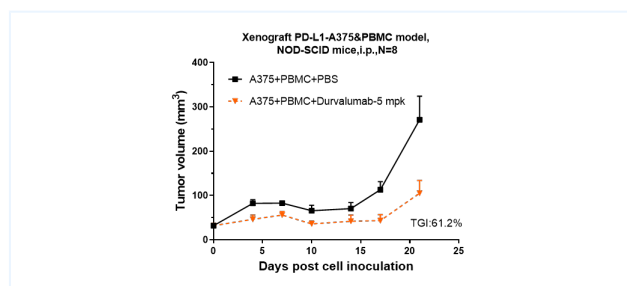
The products are for research use only. Not for use in diagnostic procedures.

Bioactivity: FACS



Human PD-L1-expressing CHO-K cells were stained with Anti-Human/Mouse/Monkey PD-L1 (Durvalumab), with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 2.40 nM.

Research in vivo



Anti-Human/Mouse/Monkey PD-L1 (Durvalumab) inhibited the tumor growth of A375 on NOD.SCID mice. The result showed significant anti-tumor effects, with a tumor inhibition rate (TGI) of 61.2% at 5 mpk at D22.

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