Product Datasheet

PD-L1 Antibody - (Research Grade atezolizumab Biosimilar) - Low Endotoxin, Azide and BSA Free NBP3-28121-100ug

Unit Size: 100 ug

Store at -20C in powder form. Store at -80C once reconstituted.

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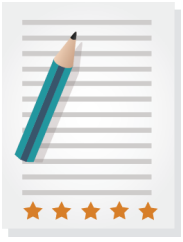
Updated 8/14/2025 v.20.1



NBP3-28121-100ug

PD-L1 Antibody - (Research Grade atezolizumab Biosimilar) - Low Endotoxin, Azide and BSA Free

Product Information

Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C in powder form. Store at -80C once reconstituted.
Clonality	Monoclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from 25mM histidine, 8% sucrose, 0.01% Tween80 (pH6.2)

Product Description

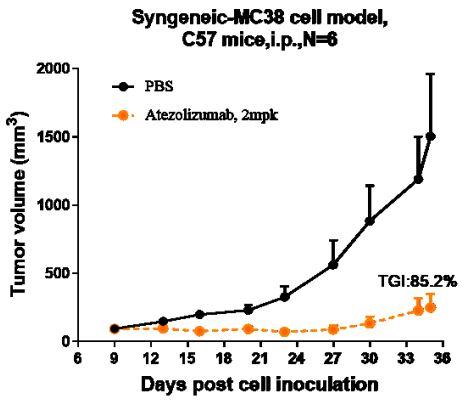
Description	The heavy chain type is huIgG1, and the light chain type is hukappa. It has a predicted MW of 145.5 kDa. Also known as 'atezolizumab'. This product is shipped at ambient temperature. Upon receipt, store immediately at -20C or lower for 12 months in a lyophilized state. - 80C for 3 months after reconstitution. Avoid repeated freeze-thaw cycles.
Host	Human
Gene ID	29126
Gene Symbol	CD274
Species	Human
Reactivity Notes	Predicted species reactivity: Mouse, Cynomolgus
Immunogen	B7-H1 / PD-L1 / CD274
Endotoxin Note	< 0.001EU/ug,determined by LAL method.

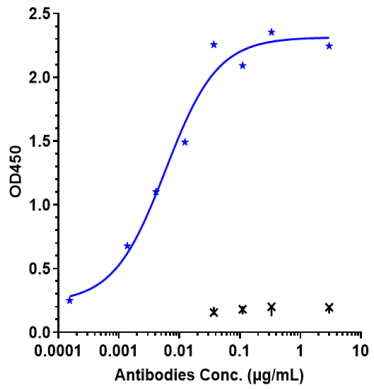
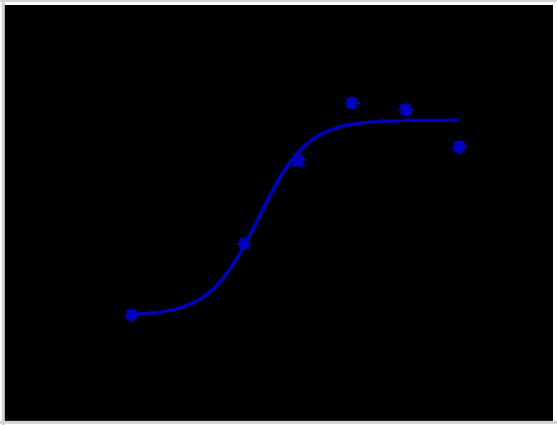
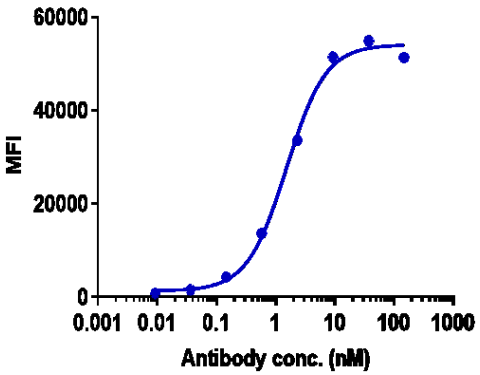
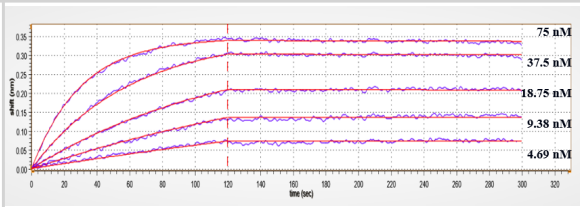
Product Application Details

Applications	ELISA, Flow Cytometry, Functional
Recommended Dilutions	Flow Cytometry, ELISA, Functional

Images

Atezolizumab inhibited the tumor growth of MC38 on C57BL/6N mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 85.2% at 2 mpk at D35.



Immobilized human PD-L1 His at 2 ug/mL can bind PD-L1 Antibody (atezolizumab), EC50=0.005894 ug/mL.	
The endocytosis ratio atezolizumab by HCC827 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 60% at antibody concentration of 0.5 nM.	
Human PD-L1 CHO-K cells were stained with PD-L1 Antibody (atezolizumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=1.533 nM.	
Affinity constant of 7.62E-11M as determined in BLI assay.（Human B7-H1 / PD-L1 / CD274 , His Tag).	

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Products Related to NBP3-28121-100ug

G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody
DDXCH01P-100	Human IgG1 Isotype Control
NBP1-76769PEP-0.1mg	PD-L1 Antibody Blocking Peptide

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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