

# Product Datasheet

## **Semaphorin 4D/CD100 Antibody - Humanized, IgG4SP, (Research Grade pepinemab Biosimilar) - Low Endotoxin, Azide and BSA Free NBP3-28669-100ug**

Unit Size: 100 ug

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

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**NBP3-28669-100ug**

Semaphorin 4D/CD100 Antibody - Humanized, IgG4SP, (Research Grade pepinemab Biosimilar) - Low Endotoxin, Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C in powder form. Store at -80C once reconstituted.
<b>Clonality</b>	Monoclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.
<b>Isotype</b>	IgG4
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from 25mM histidine, 8% sucrose, 0.01% Tween80 (pH6.2)

**Product Description**

<b>Description</b>	<p>Expressed from CHO. The heavy chain type is hulG4SP, and the light chain type is hukappa. It has a predicted MW of 145.5 kDa.</p> <p>Also known as 'pepinemab'.</p> <p>IgG4SP is human IgG4 with S228P mutation.</p> <p>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.</p>
<b>Host</b>	Human
<b>Gene ID</b>	10507
<b>Gene Symbol</b>	SEMA4D
<b>Species</b>	Human
<b>Immunogen</b>	SEMA4D / CD100
<b>Endotoxin Note</b>	< 0.001EU/ug,determined by LAL method.

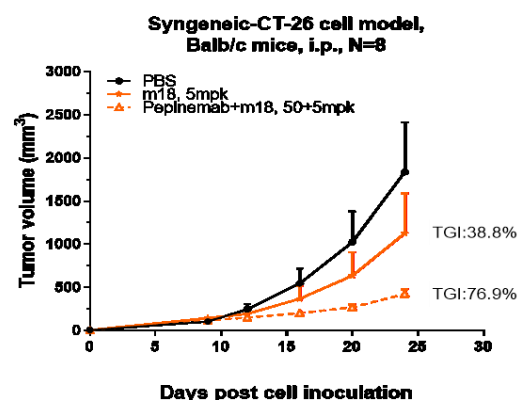
**Product Application Details**

<b>Applications</b>	ELISA, Flow Cytometry, Functional
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, Functional

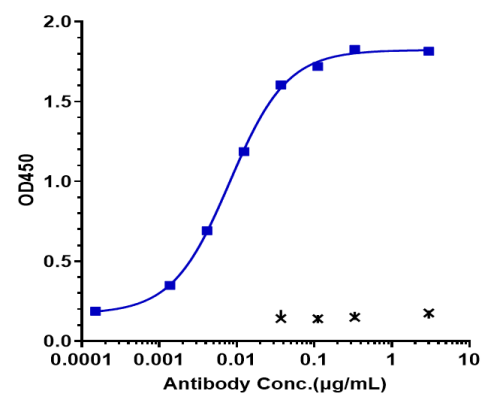


## Images

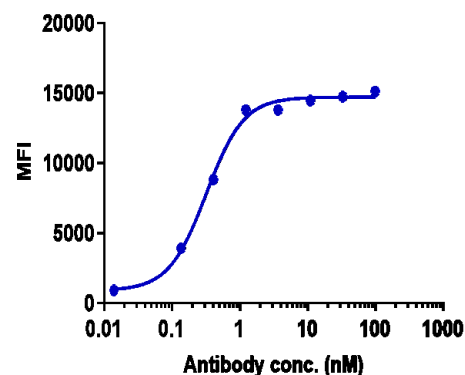
Pepinemab inhibited the tumor growth of CT26 on balb/c mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 76.9% at 50 mpk at D24.



Immobilized human SEMA4D/CD100, His Tag at 2 ug/mL can bind Semaphorin 4D/CD100 Antibody (pepinemab) - Humanized, IgG4SP, EC50=0.0081 ug/mL.



Human C100 HEK293 cells were stained with Semaphorin 4D/CD100 Antibody (pepinemab) - Humanized, IgG4SP and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.3227 nM.





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### **Products Related to NBP3-28669-100ug**

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G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody
DDXCH04P-100	Human IgG4 Isotype Control
NBP1-86704PEP	Semaphorin 4D/CD100 Recombinant Protein Antigen

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### **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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