

SEMA4D/CD100 recombinant antibody

Anti-SEMA4D/CD100 Reference Antibody (pepinemab)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296878	CHO Cell	Human, Mouse	Functional Assay, Flow Cytometry, Functional Assay, ELISA

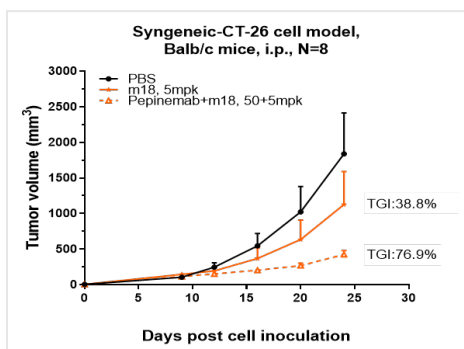
PRODUCT SYNONYMS

SEMA4D/CD100; Monoclonal Recombinant Antibody; Anti-SEMA4D/CD100 Reference Antibody (pepinemab); SEMA4D/CD100 recombinant antibody

PRODUCT SPECIFICATIONS

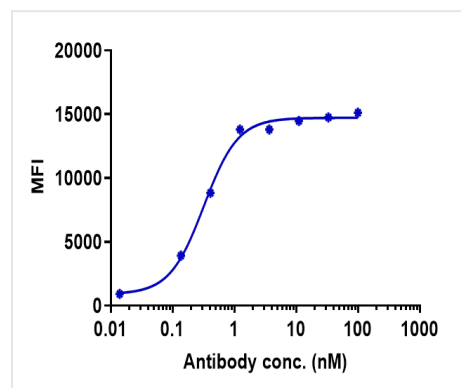
Host	CHO Cell
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG4SP
Specificity	SEMA4D/CD100
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.
Concentration	1mg/ml (varies by lot)
Applicable Applications for SEMA4D/CD100 recombinant antibody	FA (Functional Assay), FCM/FACS (Flow Cytometry), ELISA
Endotoxin	< 0.001EU/ug, determined by LAL method.
Conjugation	Unconjugated
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.

IMAGES



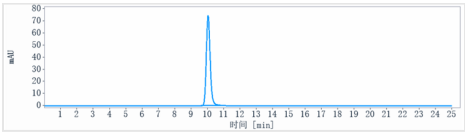
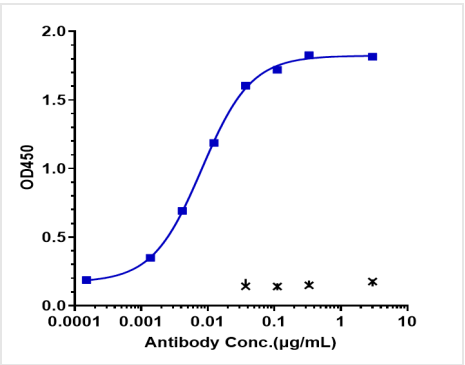
Application Data

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.



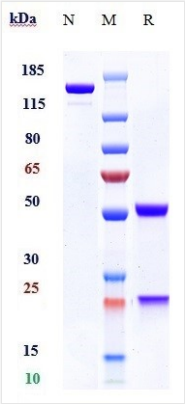
FCM/FACS (Flow Cytometry)

Human C100 HEK293 cells were stained with Anti-SEMA4D / CD100 Reference Antibody (pepinemab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC231=0.3227 nM



Application Data
The purity of Anti-SEMA4D / CD100 Reference Antibody (pepinemab) is more than 100% ,determined by SEC-HPLC.

Application Data
Immobilized human SEMA4D/CD100, His Tag at 2 ug/mL can bind Anti-SEMA4D / CD100 Reference Antibody (pepinemab), EC50=0.0081ug/mL



SDS-PAGE
Anti-SEMA4D / CD100 Reference Antibody (pepinemab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

ADDITIONAL INFORMATION

Product Categories/Family for SEMA4D/CD100 recombinant antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
UniProt Accession #	Q92854; Q7Z5S4; Q8N8B0; B2RPM6
Molecular Weight	96,150 Da
NCBI Official Full Name	semaphorin-4D isoform 1
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
NCBI Official Symbol	SEMA4D
NCBI Official Synonym Symbols	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
NCBI Protein Information	semaphorin-4D; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D

UniProt Protein Name	Semaphorin-4D
UniProt Gene Name	SEMA4D
UniProt Synonym Gene Names	C9orf164; CD100; SEMAJ
UniProt Entry Name	SEM4D_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sema4d-cd100-recombinant-antibody-functional-assay-flow-cytometry-elisa/296878>