

## Anti-SEMA4D/CD100 Antibody (Pepinemab)

### Introduction

Pepinemab (VX 15/2503) is a humanized anti-SEMA4D monoclonal antibody. Semaphorin 4D (SEMA4D), also known as CD100, is a regulator of neuronal development and plays a role in a variety of cellular processes. Pepinemab can be used to study a variety of neurodegenerative diseases such as Alzheimer's disease by blocking the activity of SEMA4D.

### Product parameters

Alternative Names	VX 15/2503, VX 15
Target Accession	Q92854
Target	SEMA4D / CD100
CAS number	2097151-87-4
Molecular Weight	145.88 kDa
Host	CHO
Reactivity	Human
Conjugation	Unconjugated
Form	Liquid
Concentration	See label
Buffer System	100 mM Pro 20 mM Arg pH 5.0. No preservative!
Clonality	Monoclonal
Purification	Protein A
Isotype	IgG4SP
Application	ELISA, FACS, Kinetics, Functional assay, Animal Model
Biological activity	Immobilized human SEMA4D/CD100, His Tag at 2 ug/mL can bind Anti-SEMA4D/CD100 Antibody (Pepinemab), EC50=0.0081 ug/mL.
Endotoxin	Less than 0.1 EU/ug determined by LAL method.
Sterilization	0.2 µM filtered
Reconstitution	For reconstitution, we recommend adding sterile, distilled water to achieve a final antibody concentration. Gently shake it to solubilize the protein completely. Do not vortex.
Shipping	Dry ice
Storage	-80°C
Expiration Date	2 years
Note	Please avoid freeze-thaw cycles.

## ■ Note

1. This product is for scientific research use only.



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