

Anti-Plexin A1 Reference Antibody (Chugai patent anti-Plexin A1)

Catalog # APR11550

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9UIW2
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-HN
Calculated MW	211067

Additional Information

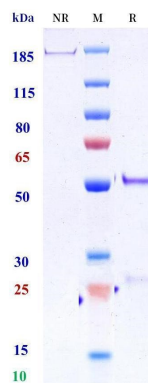
Target/Specificity	Plexin A1
Expression system	CHO

Protein Information

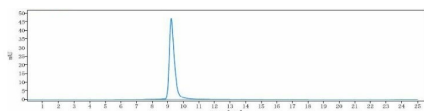
Name	PLXNA1 (HGNC:9099)
Synonyms	NOV, PLXN1
Function	Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm. Acts as coreceptor of TREM2 for SEMA6D in dendritic cells and is involved in the generation of immune responses and skeletal homeostasis.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P70206}; Single-pass type I membrane protein
Tissue Location	Detected in fetal brain, lung, liver and kidney.

Images

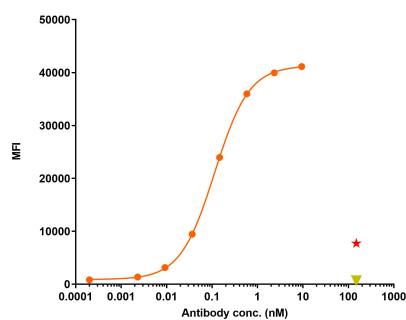
Anti-Plexin A1 Reference Antibody (Chugai patent anti-Plexin A1) on SDS-PAGE under reducing (R) condition.



The purity of the protein is greater than 95%.



The purity of Anti-Plexin A1 Reference Antibody (Chugai patent anti-Plexin A1) is 99.46%, determined by SEC-HPLC.



BxPC-3 cells were stained with Chugai patent anti-Plexin A1 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.150 nM.

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