

**Product Name: Semaphorin 4D / CD100 (13A9) Rabbit
Monoclonal Antibody
Catalog #: AMRe17718**



Summary

Production Name	Semaphorin 4D / CD100 (13A9) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	SEMA4D
Alternative Names	BB18; CD100; COLL4; Collapsin 4; GR3; MSEMA; Sema4d; Semacl2; SemaH; SEMAJ; Semaphorin 4D; Semaphorin H; Semaphorin J; Semcl2;
Gene ID	10507.0
SwissProt ID	Q92854.A synthetic peptide of human Semaphorin 4D

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	96kDa

**Product Name: Semaphorin 4D / CD100 (13A9) Rabbit
Monoclonal Antibody
Catalog #: AMRe17718**

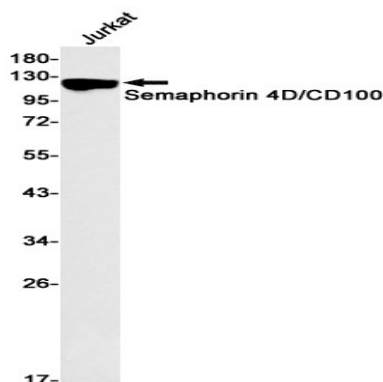


Background

May play a functional role in the immune system, as well as in the nervous system. Induces B-cells to aggregate and improves their viability in vitro. Cell surface receptor for PLXNB1 and PLXNB2 that plays an important role in cell-cell signaling (PubMed: 20877282). Regulates GABAergic synapse development (By similarity). Promotes the development of inhibitory synapses in a PLXNB1-dependent manner (By similarity). Modulates the complexity and arborization of developing neurites in hippocampal neurons by activating PLXNB1 and interaction with PLXNB1 mediates activation of RHOA (PubMed: 19788569). Promotes the migration of cerebellar granule cells (PubMed: 16055703). Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro) (PubMed: 8876214). Induces endothelial cell migration through the activation of PTK2B/PYK2, SRC, and the phosphatidylinositol 3-kinase-AKT pathway (PubMed: 16055703).

Research Area

Image Data



Western blot detection of Semaphorin 4D/CD100 in Jurkat cell lysates using Semaphorin 4D/CD100 antibody(1:500 diluted).

Note

For research use only.