Cat. No. DMC101226B



## **PRODUCT INFORMATION**

Clone ID 11G2 SEMA4D **Target** 

**Synonyms** A8;BB18;GR3;CD100;C9orf164;CD100;SEMAJ

**Host Species** 

Biotinylated Anti-SEMA4D antibody(11G2), IgG1 Description

Chimeric mAb

**Delivery** 2-3 weeks **Uniprot ID** Q92854

IgG type Rabbit/Human Fc chimeric IgG1

Clonality Monoclonal Reactivity Human **Applications** Flow Cyt

Recommended

Storage & Shipping

Background

Flow Cyt 1/100 **Dilutions** 

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & 12% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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).[UniProtKB/Swiss-

Prot Function]

**Usage** Research use only

Conjugate Biotinylated

All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or

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**DIMA Disclaimer** reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to

ensure no IP infringement.

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