

Recombinant

DGRmAb®

Semaphorin 4D (DGR15010) Rabbit mAb

db14758

Package : 10µL 20µL 50µL 100µL

Product Name : Semaphorin 4D (DGR15010) Rabbit mAb**Cat.No.:** db14758**Synonyms :** CD100; COLL4; SEMAJ; coll-4; C9orf164; M-sema-G**Application :** WB, IHC-P, ICC/IF**Reactivity :** Human**Host species :** Rabbit**Background**

Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. Promotes reorganization of the actin cytoskeleton and plays a role in axonal growth cone guidance in the developing central nervous system. Regulates dendrite and axon branching and morphogenesis. Promotes the migration of cerebellar granule cells and of endothelial cells. Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro). Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Interaction with PLXNB1 mediates activation of RHOA.

Immunogen

A synthetic peptide of human Semaphorin 4D

Gene ID

10507

Swiss Prot

Q92854

Synonyms

CD100; COLL4; SEMAJ; coll-4; C9orf164; M-sema-G

Reactivity

Human

Application

WB, IHC-P, ICC/IF

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:100-1:200

Calculated MW

96 kDa

Observed MW

120 kDa

Host species

Rabbit

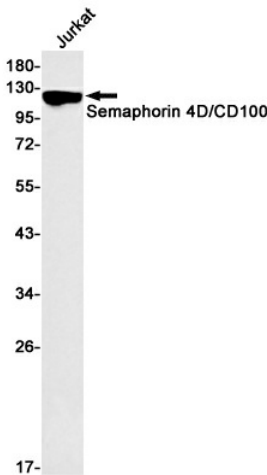
Clonality

Monoclonal

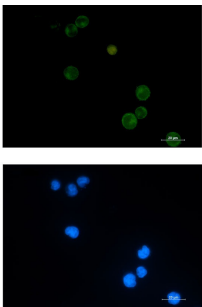
Clonality No.

DGR15010

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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



Immunofluorescent analysis of Jurkat cells using db14758 antibody (green), and DAPI (blue).