

Recombinant Semaphorin 4D Monoclonal Antibody

catalog number: **E-AB-81485**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

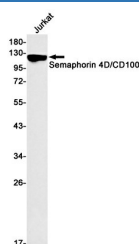
Description

Reactivity	Human
Immunogen	A synthetic peptide of human Semaphorin 4D
Host	Rabbit
Isotype	IgG
Clone	R05-2E3
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications Recommended Dilution

WB	1:1000-1:5000
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Data



Western blot detection of Semaphorin 4D/CD100 in Jurkat cell lysates using Semaphorin 4D/CD100 Rabbit mAb(1:500 diluted). Predicted band size: 96kDa. Observed band size: 120kDa.

Observed-MW: 120 kDa

Calculated-MW: 96 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Cell surface receptor for PLXN1B and PLXN2 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 PLXN1 mediates activation of RHOA.

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