Semaphorin-4D Antibody / SEMA4D / CD100 [clone SEMA4D/933] (V2453)

Catalog No.	Formulation	Size
V2453-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2453-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2453SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SEMA4D/933
Purity	Protein G affinity chromatography
UniProt	Q92854
Localization	Cell surface
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml
Limitations	This Semaphorin-4D antibody is available for research use only.



Description

Recognizes a homodimeric protein comprised of 50kDa subunits, identified as CD100. It is expressed on majority of haemopoietic cells (B, T, NK and myeloid cells) and is absent from bone marrow, erythrocytes, eosinophils and endothelial cells. Its expression is increased after PHA-activation. CD100 was shown to associate with different partner molecules in T cells such as CD45, a key molecule with protein tyrosine phosphatase activity involved in T-cell transduction, and a Serine kinase. It plays a role in homotypic cell adhesion and in T cell activation.

Application Notes

Optimal dilution of the Semaphorin-4D antibody should be determined by the researcher.

Immunogen

Human recombinant protein was used as the immunogen for the Semaphorin-4D antibody.

Storage

Store the Semaphorin-4D antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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