

## Semaphorin-4D Antibody / SEMA4D / CD100 [clone 133-1C6] (V2451)

Catalog No.	Formulation	Size
V2451-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2451-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2451SAF-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
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	133-1C6
Purity	PEG precipitation
UniProt	Q92854
Localization	Cell surface
Applications	Flow cytometry : 0.5-1ug/10 <sup>6</sup> 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 (Workshop VI; Code N-L026). 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 to be determined by the researcher.

## Immunogen

PHA stimulated human peripheral blood lymphocytes were 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).