

## Anti-Semaphorin 4D Antibody [133-1C6] (A248144)

### Specifications:

Name:	Anti-Semaphorin 4D Antibody [133-1C6]
Description:	Mouse monoclonal [133-1C6] antibody to Semaphorin 4D.
Specificity:	This antibody 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.
Applications:	Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human, Baboon
Cross Reactivity:	This antibody does not react with Horse.
Immunogen:	PHA stimulated human peripheral blood lymphocytes.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	133-1C6
Isotype:	IgM
Light Chains:	kappa
Conjugate:	Unconjugated
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Semaphorin 4D Antibody [133-1C6] - BSA and Azide free (A254298).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.