



## CD100 (Semaphorin-4D) Antibody

Mouse Monoclonal Antibody [Clone 133-1C6]

Catalog No	Format	Size
10507-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10507-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10507-MSM1-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

Clone	133-1C6
Gene Name	SEMA4D
Immunogen	PHA stimulated human peripheral blood lymphocytes.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	50kDa (Monomer)
Cellular Localization	Cell membrane
Species Reactivity	Baboon, Human
Positive Control	Daudi, HUT-78, Kg1a, Raji, U937 and human lymphocytes. Human tonsils and lymph nodes.

*\*Optimal dilution for a specific application should be determined.*

### Product Images for CD100 (Semaphorin-4D) Antibody

#### Specificity & Comments

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.

#### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Research Areas

Autophagy, Developmental Biology

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.