

### 36-1032: Monoclonal Antibody to CD100 (Semaphorin-4D)(Clone : 133-1C6)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	133-1C6
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	SEMA4D
<b>Gene ID :</b>	10507
<b>Uniprot ID :</b>	Q92854
<b>Format :</b>	Purified
<b>Alternative Name :</b>	SEMA4D,C9orf164,CD100,SEMAJ
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	PHA stimulated human peripheral blood lymphocytes.

#### 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.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);