

### 36-1033: Monoclonal Antibody to CD100 (Semaphorin-4D)(Clone : A8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	A8
<b>Application :</b>	Functional Assay,FACS,IF
<b>Reactivity :</b>	Mouse, 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 IgG1, kappa
<b>Immunogen Information :</b>	PHA stimulated human peripheral blood lymphocytes

#### 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.

#### 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

Functional Studies (Order Ab without Azide);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);