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

Clonality :	Monoclonal
Clone Name :	133-1C6
Application :	FACS,IF
Reactivity :	Human
Gene :	SEMA4D
Gene ID :	10507
Uniprot ID :	Q92854
Format :	Purified
Alternative Name :	SEMA4D,C9orf164,CD100,SEMAJ
Isotype :	Mouse IgM, kappa
Immunogen Information :	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

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	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);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.