

Product datasheet for **TA320461**

Semaphorin 4D (SEMA4D) Mouse Monoclonal Antibody [Clone ID: eBio133-1C6 (133-1C6)]

Product data:

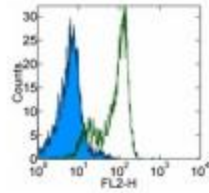
Product Type:	Primary Antibodies
Clone Name:	eBio133-1C6 (133-1C6)
Applications:	FC
Recommended Dilution:	Flow, ELISA, IP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	semaphorin 4D
Database Link:	NP_872441 Entrez Gene 349236 Entrez Gene 10507 Human Q92854

Background: The eBio133-1C6 monoclonal antibody reacts with human CD100, a member of the class IV semaphorin family also called sema4D. CD100 promotes angiogenesis, invasive growth, proliferation, and anti-apoptosis of cancer cells in vitro. Furthermore CD100 is a costimulatory molecule in adaptive immune responses by switching off negative signalling from CD72. In addition to CD72 another ligand is Plexin-B1. It has been shown that higher expression levels of CD100 are correlated with poor survival in soft tissue sarcoma patients. Expression is found in both hematopoietic and non-hematopoietic cells. CD100 is expressed on resting T cells and NK cells and B cell. CD100 can also exist as a soluble form.

Synonyms: FLJ39737



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Product images:

Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgM Isotype Control Purified, (open histogram) or Anti-Human CD100 (SEMA4D) Purified (filled histogram) followed by Anti-Mouse IgM PE. Cells in the lymphocyte gate were used for analysis.