

Anti-SEMA4D Antibody-FITC (1D998)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	FITC
Clone:	1D998
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of mouse SEMA4D (CD100) expression on splenocytes.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse Semaphorin 4D / SEMA4D / CD100 protein (TMPY-01836)
Antigen Species:	Mouse
Synonyms:	semaphorin 4D;CD100;M-sema-G;coll-4;COLL4;C9orf164;SEMAJ

Research Background

Semaphorin 4D (SEMA4D or CD100) is a member of the semaphorin family of proteins and an important mediator of the movement and differentiation of multiple cell types, including those of the immune, vascular, and nervous systems. VEGF and SEMA4D had a positive correlation with the malignant degree of ovarian cancer, and SEMA4D can serve as an independent prognostic factor. SEMA4D was the first semaphorin described to have immune functions and serves important roles in T cell priming, antibody production, and cell-to-cell adhesion. Proteolytic cleavage of SEMA4D from the cell surface gives rise to a soluble fragment of SEMA4D (sSEMA4D). Similar to the transmembranal form, sSEMA4D is thought to have immunoregulatory properties.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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