

## Mouse Monoclonal Antibody to CD100

<b>Catalogue Number</b>	sAP-1647
<b>Target Molecule</b>	<p><b>Name: CD100</b></p> <p><b>Aliases:</b> SEMA4D; SEMAJ; coll-4; C9orf164; M-sema-G</p> <p><b>MW: 96.2kDa</b></p> <p><b>Entrez Gene ID: 10507</b></p>
<b>Description</b>	SEMA4D (Semaphorin 4D) is a Protein Coding gene. Diseases associated with SEMA4D include Hemorrhagic Fever With Renal Syndrome. Among its related pathways are Guidance Cues and Growth Cone Motility and Developmental Biology. GO annotations related to this gene include receptor binding and transmembrane signaling receptor activity. An important paralog of this gene is SEMA4B.
<b>Immunogen</b>	Purified recombinant fragment of human CD100 (AA: extra 590-734) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM5H6E3
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.PLoS One. 2016 Feb 24;11(2):e0150151.2.Microvasc Res. 2014 May;93:1-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**