

Recombinant Mouse SEMA4D Protein

Catalog #	Source	Reactivity	Applications
CRP2262	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse SEMA4D Protein is produced by our mammalian expression system and the target gene encoding Phe24-Met711 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Gene Symbol	SEMA4D
Alternative Names	C9orf164; CD100; SEMAJ; Semaphorin-4D; A8; BB18; GR3; CD100
Entrez Gene	20354 (Mouse)
SwissProt	O09126 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	FAPVPRLTWE HGEVGLVQFH KPGIFNYSAL LMSEDKDTLY VGAREAVFAV NALNISEKQH EVYWKVSEDK KSKCAEKGKS KQTECLNYIR VLQPLSSTSL YVCGTNAFQP TCDHLNLTFS KFLGKSEDK GRCFPDPAHS YTSVMVGGEL YSGTSYNFLG SEPIISRNS HSPLRTEYAI PWLNEPSFVF ADVIQKSPDG PEGEDDKVYF FFTEVSVEYE FVFKLMIPRV ARVCKGDQGG LRTLQKKWTS FLKARLICK PDSGLVFNIL QDVFVLRAPG LKEPVFYAVF TPQLNNVGLS AVCAYTLATV EAVFSRGKYM QSATVEQSHT KWVRYNGPVP TPRPGACIDS EARAANYTSS LNLDPKTLQF VKDHPLMDDS VTPIDNRPKL IKKDVNYTQI VVDRTQALDG TFYDVMFIST DRGALHKAVI LTKEVHVIEE TQLFRDSEPV LLLLLSSKKG RKFVYAGSNS GVVQAPLAF EKHGSCEDCV LARDPYCAWS PAIKACVTLH QEEASSRGWI QDMSGDTSSC LDKSKESFNQ HFFKHGGTAE LKCFQKSNLA RVVWKFQNGE LKAASPKYGF VGRKHLIFN LSDGDSGVYQ CLSEERVRNK TVSQLLAKHV LEVKMVPRTPT PSPTSEDAQT EGSKITSKMP VASTQGSSPP TPALWATSPR AATLPPKSSS GTSCEPKMVD DIEGRMDEPK SCDKTHTCPP CPAPELLGGP

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

SVFLFPPKPK DTLMISRTPV VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS
TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSREEM
TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ
QGNVFSCSVM HEALHNHYTQ KSLSLSPGK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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