

Recombinant Human SEMA4D Protein

Catalog #	Source	Reactivity	Applications
CRP2260	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human SEMA4D Protein is produced by our mammalian expression system and the target gene encoding Met22-Arg734 is expressed with a 6His 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 10507 (Human)

SwissProt Q92854 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MAFAPIPRIT WEHREVHLVQ FHEPDIYNYS ALLLSEDKDT LYIGAREAVF AVNALNISEK QHEVYWKVSE DKKAKCAEKG KSKQTECLNY IRVLQPLSAT SLYVCGTNAF QPACDHLNLT SFKFLGKNEG GKGRCFPDPA HSYTSVMVDG ELYSGTSYNF LGSEPIISRN SSHSPLRTEY AIPWLNESPF VFADVIRKSP DSPDGEDDRV YFFFTEVSVE YEFVFRVLIP RIARVCKGDQ GGLRTLQKKW TSFLKARLIC SRPDSGLVFN VLRDVFVLRV PGLKVPVFYA LFTPQLNNVG LSAVCAYNLS TAEVFSHGK YMQSTTVEQS HTKWVRYNGP VPKPRPGACI DSEARAANYT SSLNLPDKTL QFVKDHPLMD DSVTPIDNRP RLIKKDVNYT QIVVDRTQAL DGTVYDVMFV STDRGALHKA ISLEHAVHII EETQLFQDFE PVQTLSSK KGNRFVYAGS NSGVVQAPLA FCGKHGTCEG CVLARDPYCA WSPPTATCVA LHQTESPSRG LIQEMSGDAS VCPDKSKGSY RQHFFKHGGT AELKCSQKSN LARVFWKFQN DVLKAESPKY GLMGRKNLLI FNLSEGDSGV YQCLSEERVK NKTVFQVAK HVLEVKVVPK PVVAPTLVSVV QTEGSRIATK VLVASTQGSS PPTPAVQATS SGAITLPPKP APTGTSCEPK IVINTVPQLH SEKTMYLKSS DNRVDHHHHH H

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

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/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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