

Product Data Sheet

Recombinant Human SEMA4B Protein

Catalog #	Source	Reactivity	Applications
CRP2257	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human SEMA4B Protein is produced by mammalian expression system and the target gene encoding Leu39-Glu712 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	SEMA4B		
Alternative Names	KIAA1745; SEMAC; Semaphorin-4B		
Entrez Gene	10509 (Human)		
SwissProt	Q9NPR2 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	LSPRISLPLG SEERPFLRFE AEHISNYTAL LLSRDGRTLY VGAREALFAL SSNLSFLPGG EYQELLWGAD AEKKQQCSFK GKDPQRDCQN YIKILLPLSG SHLFTCGTAA FSPMCTYINM ENFTLARDEK GNVLLEDGKG RCPFDPNFKS TALVVDGELY TGTVSSFQGN DPAISRSQSL RPTKTESSLN WLQDPAFVAS AYIPESLGSL QGDDDKIYFF FSETGQEFEE FENTIVSRIA RICKGDEGGE RVLQQRWTSF LKAQLLCSRP DDGFPFNVLQ DVFTLSPSPQ DWRDTLFYGV FTSQWHRGTT EGSAVCVFTM KDVQRVFSGL YKEVNRETQQ WYTVTHPVPT PRPGACITNS ARERKINSSL QLPDRVLNFL KDHFLMDGQV RSRMLLLQPQ ARYQRAVAVHR VPGLHHTYDV LFLGTGDGRL HKAIVSVGPRV HIIIELQIFS SGQPVQNLLL DTHRGLLYAA SHSGVVQVPM ANCSLYRSCG DCLLARDPYC AWSGSSCKHV SLYQPQLATR PWIQDIEGAS AKDLCSASSV VSPSFVPTGE KPCEQVQFQP NTVNTLACPL LSNLATRLWL RNGAPVNASA SCHVLPTGDL LLVGTQQLGE FQCWSLEEGF QQLVASYCPE VVEDGVADQT DEGGSVPVII STSRVSAPAG GKASWGADRS YWKEVDHHHH HH		

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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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. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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