

Recombinant Mouse SEMA4A Protein

Catalog #	Source	Reactivity	Applications
CRP2256	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse SEMA4A Protein is produced by our mammalian expression system and the target gene encoding Thr33-His682 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	SEMA4A
Alternative Names	SEMAB; SEMB; Semaphorin-4A; Semaphorin-B; Sema B
Entrez Gene	20351 (Mouse)
SwissProt	Q62178 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	TGGQGPMPRV KYHAGDGHRA LSFFQQKGLR DFDTLLLSDD GNTLYVGARE AVLALNIQNP GIPRLKNMIP WPASERKTE CAFKKKSNET QCFNFIRVLV SYNATHLYAC GTFAFSPACT FIELQDSLIL PILIDKVMGDG KGQSPFDPVH KHTAVLVDGM LYSGMTMNNFL GSEPILMRTL GSQPVLKTDI FLRWLHADAS FVAaipSTQV VYFFFEETAS EFDFFEELYI SRVAQVCKND VGGEKLLQKK WTTFLKAQLL CAQPGQLPFN IIRHAVLLPA DSPSVSRIYA VFSTQWQVGG TRSSAVCAFS LTDIERVFKG KYKELNKETS RWTTYRGSEV SPRPGSCSMG PSSDKALTFM KDHFLMDEHV VGTPLLKSG VEYTRLAVES ARGLDGSSHV VMYLGTSTGS LHKAVVPQDS SAYLVEEIQQL SPDSEVVRNL QLAPAQGAVF AGFSGGIWRV PRANCSVYES CVDCVLARDP HCAWDPE SRL CSLLSGSTKP WKQDMERGNP EWWCTRG PMA RSPRRQSP PQ LIKEVLTVPN SILELPCPHL SALASYHWSH GRAKISEASA TVYNGSLLLL PQDGVGGLYQ CVATENGYSY PVVSYWVDSQ DQPLALDPEL AGVPRERVQV PLTRVGGGAS MAAQRSYWPH VDHHHHHH
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

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

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

ORDER
order@cohesionbio.com

SUPPORT
techsupport@cohesionbio.com

CUSTOM
custom@cohesionbio.com

Product Data Sheet

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.

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

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

ORDER
order@cohesionbio.com

SUPPORT
techsupport@cohesionbio.com

CUSTOM
custom@cohesionbio.com