

Product datasheet for **TP522509**

Siglec1 (NM_011426) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sialic acid binding Ig-like lectin 1, sialoadhesin (Siglec1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone >MR222509 representing NM_011426
 or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MCVLFSLLLLASFVSLGQTTWGVSSPKNVQGLSGSCLLIPCIFSYPADVPVSNGITAIWYYDYSGKRQW
 IHSGDPKLVDKRFRGRAELMGNMDHKVCNLLKDLKPEDSGTYNFRFEISDSNRWLDVKGTTVTVTDDPS
 PPTITPEELREGMERNFNCSTPYLCLQEKQVSLQWRGQDPTHSVTSSFQSLPTGVYHQTTLHMALSWQ
 DHGRTLLCQFSLGAHSSRKEVYLQVPHAPKGV EILLSSSGRNILPGDPVTLTCRVNSSYPVSAVQWARD
 GVN LGVTGHVLR LFSAAWNSGAYTCQATNDMGLVSSPLSLHVFMAEVKMNPA GPVLENETVLLCSTP
 KEAPQELRYSWYKNHILLED AHASTLHLP AVTRADTGFYFCEVQNAQGSERSSPLSVVRYPP LTPDLTT
 FLETQAGLVGILHCSVSEPLATVLSHGGLTASNSENGENDFNPRFRISSAPNSLRLEIRDLQPADSGEY
 TCLAVNSLGNSTSSLD FYANVARLLINPSAEVVEGQAVT LSCRSGLSPAPDTRFSWYLN GALLLEGSSSS
 LLLPAASSTDAGSY CRTQAGPNTSGPSLPTVLT VFPYPPRKPFTARLDLDTSGVGDGRRGILLCHVDSD
 PPAQLRLLHKGHV VATSLPSRCGSCSQRTKVSRTSN SLHVEIQKPVLEDEGVYLCEASNTLGNSSAAASF
 NAKATVLVITPSNTLREGTEANLTCNVNQEVA VSPANFSWFRNGVLWTQGSLETVRLQP VARTDAAVYAC
 RLLTEDGAQLSAPVVL SVLYAPDPPKLSALLDVGQGHMAVFICTVDSYPLAHL SLFRGDHLLATNLEPQR
 PSHGRIQAKATANS LQLEVRELGLVDSGN YHCEATNILGSANSSLFFQVRGAWVQVSPPELREGQAVL
 SCQVPTGVSEGTSYSWYQDGRPLQESTSSTLR IAAISLRQAGAYHCQAQAPDTA IASLAAPVSLHVSYTP
 RHVTL SALLSTDPERLGHVCSVQSDPPAQLQLFHRNRLVASTLQGADELAGSNPRLHVTLPNELRLQI
 HFPELEDDGTYTCEASNTLGQASAAADFDAQAVRVTWPNATVQEGQVNLTC LWSTHQDSLSTWYKG
 GQQLLGARSITLPSVKVLDATSYRCGVGLPGHAPHLSRPVTL DVLHAPRNRLTYLLETQGRQLALVLC T
 VDSRPPAQLTSLHGDQLVASSTEASVPNTLRLELQDPRPSNEGLYSCSAHSP LGKANTSLELLEGEVRVK
 MNPSGSVPEGEPVTVTCEDPAALSSALYAWFHNGHWLQEGPASSLQFLVTTTRAHAGAYFCQVHDTQGTRS
 SRPASLQILYAPRDAVLSFRDSRTRLMVVIQCTVDSEPPAEMVLSHNGKVLAA SHERHSSASGIGHIQV
 ARNALRLQVQDVTLDGDN TYVCTAQNTLGSISTTQRLLTETDIRVTAEPGLDVPEGTALNLSCLLPGGSG
 PTGNSSFTWFWNRHRLHSAPVPTLSFTPVVRAQAGLYHCRADLPTGATTSAPVMLRVLYPPKPTLIVFV
 EPQGGHQGILDCRVDSEPLAILLHRGSQLVASNQLHDAPTKPHIRVTAPPNARVDIEELGPSNQGEYV
 CTASNTLGSASASAYFGTRALHQLQLFQRLWV L GFLAGFLCLLLGLVAYHTWRKKSSTKL NEDENSAEM
 ATKKNTIQEEVVAAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

- Tag:** C-MYC/DDK
- Predicted MW:** 184 kDa
- Concentration:** >0.05 µg/µL as determined by microplate BCA method
- Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining
- Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
- Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
- Storage:** Store at -80°C after receiving vials.
- Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_035556](#)

Locus ID: 20612

UniProt ID: [Q62230](#)

RefSeq Size: 6427

Cytogenetics: 2 63.26 cM

RefSeq ORF: 5085

Synonyms: Cd169; Siglec-1; Sn

Summary: Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells (By similarity). Preferentially binds to alpha-2,3-linked sialic acid. Binds to SPN/CD43 on T-cells. May play a role in hematopoiesis. May act as a counter-receptor for CLEC10A in lymph node.[UniProtKB/Swiss-Prot Function]