

## Product datasheet for **TP526609**

### Cd44 (NM\_009851) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CD44 antigen (Cd44), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR226609 representing NM_009851
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MDKFWWHTAWGLCLLQLSLAHPHQQIDLNVTCRYAGVFHVEKNGRYSISRTEAADLCQAFNSTLPTMDQM  
KLALSKGFETCRYGFIEGNVVIPRIHPNAICANHTGVYILVTSNTSHYDYCFNASAPPEEDCTSVTDL  
PNSFDGPVTITIVNRDGTTRYSKKGEYRTHQEDIDASNIIDDDVSSGSTIEKSTPESYILHTYLPTEQPTG  
DQDDSFIRSTLATIASTVHSHAAAQKQNNWIWSWFGNSQSTTQTQEPTTSATTALMTTPETPPKRQE  
AQNWFSWLFPSESKSHLHTTTKMPGTESNTNPTGWEPNEENEDETDKYPFSFGSGIDDEDIFISSTIAS  
TPRVSARTEDNQDWTQWKPNSNPEVLLQTTRMADIDRISTSAHGENWTPPEPQPPFNNHEYQDEETPH  
ATSTTPNSTAEAAATQQETWFQNGWQGNPPTPSEDSHVTEGTTASAHHNHPQSQRITTSQSEDVSWTDFD  
DPISHPMGQGHQTESKDTDSSHSTTLQPTAAPNTHLVEDLNRTGPLSVTTPQSHSQNFSTLHGPEEDEN  
HPTTSILPSSTKSGAKDARRGSLPTDTTTSVEGYTFQYPDTMENGTLFPVTPAKTEVFGETEVLATDS  
NVNVDGSLPGDRDSSKDSRGSSRTVTHGSELAGHSSANQDSGVTTTSGPMRRPQIPEWLIIILASLLALAL  
ILAVCIAVNSRRRCGQKKLVINGGNGTVEDRKPSELNGEASKSQEMVHLVNKEPSETPDQCMTADETRN  
LQSVDMKIGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	86.3 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_033981</a>
<b>Locus ID:</b>	12505
<b>UniProt ID:</b>	<a href="#">P15379</a> , <a href="#">A2APM2</a>
<b>RefSeq Size:</b>	5654
<b>Cytogenetics:</b>	2 54.13 cM
<b>RefSeq ORF:</b>	2340
<b>Synonyms:</b>	AU023126; AW121933; AW146109; HERMES; Ly-24; Pgp-1
<b>Summary:</b>	Cell-surface receptor that plays a role in cell-cell interactions, cell adhesion and migration, helping them to sense and respond to changes in the tissue microenvironment. Participates thereby in a wide variety of cellular functions including the activation, recirculation and homing of T-lymphocytes, hematopoiesis, inflammation and response to bacterial infection. Engages, through its ectodomain, extracellular matrix components such as hyaluronan/HA, collagen, growth factors, cytokines or proteases and serves as a platform for signal transduction by assembling, via its cytoplasmic domain, protein complexes containing receptor kinases and membrane proteases (PubMed:8343954, PubMed:25065622). Such effectors include PKN2, the RhoGTPases RAC1 and RHOA, Rho-kinases and phospholipase C that coordinate signaling pathways promoting calcium mobilization and actin-mediated cytoskeleton reorganization essential for cell migration and adhesion (By similarity).[UniProtKB/Swiss-Prot Function]