

## Product datasheet for TP510101

### Pecam1 (NM\_001032378) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse platelet/endothelial cell adhesion molecule 1 (Pecam1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210101 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLLALGLTLVLYASLQAEENSFTINSIHMESLPSWEVMNGQQLTLECLVDISTTSKRSQHRVLFYKDDA MVYNVTSREHTESYVIPQARVFHSGKYKCTVMLNNKEKTTIEYEVKVHGVSKPKVTLDDKKEVTEGGVTV NCSLQEEKPIFFKIEKLEVGTKFVKRRIDKTSNENFVLMFPIEAQDHVLVFRCAQAGILSGFKLQES IRSEYVTVQESFSTPKFEIKPPGMIIEGDQLHIRCIVQVTHLVQEFTEIIQKDKAIVATSKQSSEAVYS VMAMVEYSGHYTCKVESNRISKASSIMVNITELFPKPKLEFSSRLDQGELDLSCSVSGTPVANFTIQK EETVLSQYQNFSKIAEESDSGEYSCTAGIGKVVKRSGLVPIQVCEMLSKPSIFHDAKSEIKGHAIGSC QSENGTAPITYHLMKAKSDFQTLVTSNDPATFTDKPTRDMEYQCRADNCHSHPAVFSEILRVRVIAPVD EVVISILSSNEVQSGSEMVLRCVKEGTSPITFQFYKEKEDRPFHQAVVNDTQAFWHNKQASKKQEGQYY CTASNRASSMRTSPRSSTLAVRVFLAPWKKGLIAVVVIGVVIATLIVAAKCYFLRKAKAKQKPVEMSRPA APLLNSNSEKISEPSVEANSHYGYDDVSGNDAVKPINQNKDPQNMDEVETEVEVSSLEPHQENGRLP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	77.9 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.



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RefSeq:	<a href="#">NP_001027550</a>
Locus ID:	18613
UniProt ID:	<a href="#">Q08481</a>
RefSeq Size:	3248
Cytogenetics:	11 E1
RefSeq ORF:	2091
Synonyms:	C85791; Cd31; Pecam; PECAM-1
Summary:	<p>Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions (By similarity). Tyr-679 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes (By similarity). Trans-homophilic interaction may play a role in endothelial cell-cell adhesion via cell junctions (By similarity). Heterophilic interaction with CD177 plays a role in transendothelial migration of neutrophils (By similarity). Homophilic ligation of PECAM1 prevents macrophage-mediated phagocytosis of neighboring viable leukocytes by transmitting a detachment signal (By similarity). Promotes macrophage-mediated phagocytosis of apoptotic leukocytes by tethering them to the phagocytic cells; PECAM1-mediated detachment signal appears to be disabled in apoptotic leukocytes (By similarity). Modulates bradykinin receptor BDKRB2 activation (By similarity). Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in endothelial cells (By similarity). Induces susceptibility to atherosclerosis (PubMed:19048083).[UniProtKB/Swiss-Prot Function]</p>