

Product datasheet for **MC201519**

Cd177 (NM_026862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd177 (NM_026862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd177
Synonyms:	1190003K14Rik; Pdp3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027283 sequence for NM_026862
 AAATTTCCAGCCACAGACTGGTATCATGAATTCTATACCAGTGTGACCCTTCTGGGGGTCACGGCCTTG
 CTACCCTGTGTCCAGCTCTGACCTGCCAGAAAAGCAGCGCACAGGCTGTGAGGAATGTGGCAGAGCTGC
 CCCTCAGGTGGTGGGAGCTGGTGTGAGAAAACCTGCGAGGTTAGCGAGGGTTGCCAAGACTTGATAATGCT
 CCTGTATAATGGACCCAAGGTCAACTTGGTGATCATCAAGGGCTGCACCGAGGTTGAGGACCAAGAGCCG
 AAGGTGATCTGGCTCAGGACAGGCCCTGGGCTCTCTGTGGTGTCTACACCCGTGTGTGCCCATGGTG
 ACCTCTGCAATGATGTGAACAGCACTAAGATCCTTGAGGAGCTACCTACACCCACACTGTTCCAGGGTCCCT
 GCGCTGCCCACTCTGCCTTTCTAATGACAGCTGTGAGAATGCACCGGAGCAGGTCTGCCCTGTGGGAAGC
 ACACACTGCTACGATGGAGTCTCAGGCTCAGGGGAGATGGCATCAGGACCAATCTCAAGGTGCAGGGCT
 GCATGGCCAGCCAGACTGCAACCTGCTTAATGGCACCCAGGCGATTGGGACCTTGATATGAGCGAAAA
 CTGTGATCTTATAGGTCCACAGGCTCTGGATTGCAATAGTGGGAGCTTGGAACTGTGAGGAATGTATCA
 GATCTGCACTTGAGCTGGACGACTGGCTGGCAAACCTGTGAGGCTGGCGAGGGGTGTTATGAAACAGTGA
 TGCTAATACAAAAATGGACATGAATTTACATGGTTCTCACTAAGGGATGTACTAGGGATATGAACAAAA
 GGCTCGGCTCACCAGGCATAGAACAGGCCAGGGATCTCCATCGTCTCCTACGTGCATGTGTGCCCGAC
 AGGGACTTCTGTAATGACCTGTCTACAACAGACCCTCTTTGGACCCGCCCTGACACAGAGCTAGGGA
 CCCTGCGCTGCCGACACTGCCTTTCAACCGGCAGCTGTGTGAGTGCATCCGAGCTGGTCTGCCCCGAGG
 CAGCACACTGCTACAGTGGAGTCTCAGCCTCAGGGGAGGAGGGGTCAATTTCTGATCTGAAGGTACAG
 GGATGCATATCGCAGTCCAGCCAGGATGCAACCTGCTCAACGGTACCCAGACAATCGGACCCGTGGATG
 TGCGTGAGGACTGCGGTCTTCAGTTAGATGCTCTGAAATGCCAGCATGGGACGCTGAAGACCATCCAGGA
 TATATCGAAGCTGCCTCTCCAGTGGACGGCTGGCCAGAAAATCTGTAATGTGGGTGAAGGCTGCCAAGAC
 ACACTGATGTTGATAGAGAACGGAGAGCAGGTGAACCTGGTTCTCACGAAAGGCTGCACTACCGCAAAGG
 ACCAAGAGGCCAAAGTCACGGAGCACAGAACTGGACCAGGGCTGTCTGTACCTCCTACACCCGAGTGTG
 CCGTAAAAAAGACTTCTGCAATGACCTGTCTACCACAGCCCTCTCTGGGCTCCACCTCCAGTGACAGCC
 CCAGGGACCACTCGCTGCCCTCTGCTTTCTGAACAAGCCTGTGAGAATGCACCGGAGCAGGTCTGCC
 CTGCAGGCAGCACACTGCTACAGTGGAGTCTCAGCCTCAGGGGAGGAGGGATCATCTCTGATCTGAA
 GGTGCAGGGCTGTATGTCCCAGCCAGGATGCAACCTGCTCAACGGTACCCAGACAATCGGACCCGTGGAT
 GTGAGCGAGCGTGCAGTCTCCGTGAGAAACAACAGAGTTGTCTGTTACAGGGGTGTGATGTTTGAGC
 TTGGCAATGGCTTTGCGGAGGAACCTGTCAAGTGGACGGCACCAGGGTCTCAGGTGTGTGCACCTGATGA
 GATTTGTCAAGAGACGCTGCTGCTCATAGACGTAGGACAAAAATCAGCCTTCTGGGGAGTAAAGGCTGC
 AGCAGTCTGGGGCGCAGGACAATATTGGTGTCTCCATATTCTCCCGGCTCCCTGGGATGCTGGTAGCTT
 CCTATACCAAATCTGTTCTTCCACCTGTGCAATGGAGCCGACAGCAGCAGTGTCTTCTAAGCATCCT
 CCCTCGTCCAGATGTTCTCCCCAGGAGATGTGCAAGTGCATGCCCCATGTGTGTAGAGTTATTTGGATCCTGC
 AAGAGCACTGACTCTGTACCTGCCCTAGGGGTGCCACTCACTGTTATAAAGGTGACATTGCACTACAGG
 GAGGTGGACTGACTACCAGAGTGAATTCAGGGGTGCATGGCCCCACCTATCAAACCTTACTGGGTGA
 CTCCAAAAACAATCGGTATCTTCTCGGCAGAGGAGACTTAATATCGACATGAGGATGATGTTACCTCG
 GCCCTTCCCTGGCCTGGACCTACGGCTATCGGCCTGGATGTTAGGGCTATCGGCTCTTCTCAGCTCTT
 TGTATGCTGGGATCTGTCTCTCTGTGTAACCCATTTCTGACCATTCTAATCCCTCTTGGCCACCCAG
 ACCCAGCCCTCCTCTGACTTCAAAGACCTGAGGCTGGGCGCTGTGCGCTGCGCTGTGCGGCGCCCTCAT
 CCCTCACCCACACACTCTGCCCTCATGCTTAGACTTGGGAGCCACTGAACCCAGCCGGCTCCAGAGCA
 GACAAGCACACGTTGACCAGTGTGGAAAAATAAAGTTGCTGTTGTTTGTCCAAAAAATAAAAAAAAAA AAA

Restriction Sites: RsrII-NotI
ACCN: NM_026862
Insert Size: 2454 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC027283</u> , <u>AAH27283</u>
RefSeq Size:	2733 bp
RefSeq ORF:	2454 bp
Locus ID:	68891
UniProt ID:	<u>Q8R2S8</u>
Cytogenetics:	7 A3
Gene Summary:	In association with beta-2 integrin heterodimer ITGAM/CD11b and ITGB2/CD18, mediates activation of TNF-alpha primed neutrophils including degranulation and superoxide production (By similarity). In addition, by preventing beta-2 integrin internalization and attenuating chemokine signaling favors adhesion over migration (By similarity). Heterophilic interaction with PECAM1 on endothelial cells plays a role in neutrophil transendothelial migration in vitro (By similarity). However, appears to be dispensable for neutrophil recruitment caused by bacterial infection in vivo (PubMed:25359465). Acts as a receptor for the mature form of protease PRTN3 allowing its display at the cell surface of neutrophils (By similarity). By displaying PRTN3 at the neutrophil cell surface, may play a role in enhancing endothelial cell junctional integrity and thus vascular integrity during neutrophil diapedesis (By similarity).[UniProtKB/Swiss-Prot Function]