

Product datasheet for **MC227050**

Cd68 (NM_001291058) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd68 (NM_001291058) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd68
Synonyms: gp110; Lamp4; Scard1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227050 representing NM_001291058
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGCTCCCTGTGTCTGATCTTGCTAGGACCGCTTATAGCCAAGGAACAGAGGAAGACTGTCCTC
ACAAAAAGGCCGTTACTCTCCTGCCATCCTTCAGGATGACACCTACAGCCACAGAAAGCACAGCCAGCCC
TAGCACCAGCCACAGGCCACCACCAGTACGGAAATGTCACAGTTCACACCAGCTCCGGACCCACA
ACTGTCACTCATAACCCTGCCACCACCAGTCAATGGGAATGCCACAATTTCTCATGCCACAGTTTCTC
CCACCACAAATGGCACTGCTACTAGTCCAAGATCCTCCACTGTTGGCCCTCACCTGGACCACCTCCACC
CTCGCCTAGTCCAAGGTCCAAGGGGGCTCTTGGGAACTACACGTGGGCCAACGGCTCCCAGCCTTGTT
CAGCTCCAAGCCAAATCAAAATCCGAATCCTATACCCAATTCAGGGTGGAAAGAAAGGCTTGGGGCATAT
CTGTTTTGAATCCCAACAAAACCAAGGTCCAGGGAGGTTGTGACGGTACCCATCCCACCTGTCTCTCTC
ATTTCTTATGGACAGCTTACCTTTGGATTCAAACAGGACCTACATCAGAGCCCGAGTACAGTCTACCTG
GACTACATGGCGGTGGAATAAATGTGTCTTCCCACAGGCAGCACAGTGGACATTCATGGCGCAGAATT
CATCTCTCGAGAGCTCCAAGTCCCTTGGCCAAAGCTTCTGCTGTGGAATGCAAGCATAGTTCTTTTC
TCCAGCTGTTACCTTGACCTGCTCTCTAAGGCTACAGGCTGCTCAGCTGCCTGACAAGGGACACTTC
GGCCATGTTTCTTGAACCGTGACCAGTCCCTCTTGCTGCCTCTCATATTGGCCTGGTCTCTCTCG
GCCTCTCACCTGGTGCTCATCGCCTTCTGCATACCCGCAGACGACAATCAACCTACCAGCCCTCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291058



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Insert Size:	981 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001291058.1</u> , <u>NP_001277987.1</u>
RefSeq Size:	1263 bp
RefSeq ORF:	981 bp
Locus ID:	12514
UniProt ID:	<u>P31996</u>
Cytogenetics:	11 42.86 cM
Gene Summary:	<p>Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>