

## Product datasheet for MC200917

### Cd68 (BC021637) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd68 (BC021637) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cd68  
**Synonyms:** gp110, Scard1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC021637

```
>BC021637
CCACGCGTCCGGAACTGGTGTAGCCTAGCTGGTCTGAGCATCTCTGCCATGCGGCTCCCTGTGTGTCTG
ATCTTGCTAGGACCGCTTATAGCCCAAGGAACAGAGGAAGACTGTCTCACAAAAAGCCGTTACTCTCC
TGCCATCCTTACGATGACACCTACAGCCACAGAAAGCACAGCCAGCCCTACGACCAGCCACAGGCCAC
CACCACCAGTCACGAAAATGTCACAGTTCACACCAGCTCCGGACCCACAACCTGTCACTCATAACCCCTGCC
ACCACCACCAGTCATGGGAATGCCACAATTTCTCATGCCACAGTTTCTCCACCACAAAATGGCACTGCTA
CTAGTCCAAGATCCTCCACTGTTGGCCCTCACCCTGGACCACCTCCACCCTCGCCTAGTCCAAGTCCAA
GGGGGCTCTTGGGAACTACACGTGGGCCAACGGCTCCAGCCTTGTGTTTCAGCTCCAAGCCCAAATTCAA
ATCCGAATCCTATACCAATTCAGGGTGAAGAAAGGCTTGGGGCATATCTGTTTGAATCCCAACAAAA
CCAAGGTCCAGGGAGGTTGTGACGGTACCCATCCCACCTGTCTCTCATTTCCCTTATGGACAGCTTAC
CTTTGGATTCAAACAGGACCTACATCAGAGCCCGAGTACAGTCTACCTGGACTACATGGCGGTGGAATAC
AATGTGTCTTCCACAGGCAGCACAGTGGACATTCATGGCGCAGAATTCATCTCTCGAGAGCTCCAAG
CTCCCTTGGGCCAAAGCTTCTGTGTGGAATGCAAGCATAGTTCTTTCTCCAGCTGTTACCTTGACCT
GCTCTCTAAGGCTACAGGCTGCTCAGCTGCCTGACAAGGGACACTTCGGGCCATGTTTCTCTTGAAC
CGTGACCAGTCCCTCTTGTGCCTCTCATATTGGCCTGGTCTCCTCGGCCTCCTCACCCTGGTGTCTCA
TCGCCTTCTGCATCACCCGACAGCACAATCAACCTACCAGCCCTCTGAGCATCTGCCCAAGTCCACTG
TGTAAGCCACCAAGGAGCGCCTCATCTCTTACCATGCCACTGACTCAACAGTTACCTTCTCTCTGTGC
TTTAGGAACACAATGAAGAGATTTATAATAGGGGTGGGGAATCAATAAACATGAATGGTACCTACTAAA AAAAAAAAAAAAAAG
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**Restriction Sites:** RsrII-NotI  
**ACCN:** BC021637  
**Insert Size:** 981 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>BC021637</u> , <u>AAH21637</u>
<b>RefSeq Size:</b>	1204 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	12514
<b>Cytogenetics:</b>	11 42.86 cM
<b>Gene Summary:</b>	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]