

Product datasheet for **MC218184**

Icam1 (NM_010493) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Icam1 (NM_010493) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Icam1
Synonyms:	CD54; Icam; Icam-1; Ly-4; Ly-47; MAL; MALA-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218184 representing NM_010493
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCAACCCGTGCCAAGCCACGCTACCTCTGCTCTGGCCCTGGTCACCGTTGTGATCCCTGGGC
 CTGGTGATGCTCAGGTATCCATCCATCCCAGAGAAGCCTTCTGCCCCAGGGTGGGTCCGTGCAGGTGAA
 CTGTTCTTCTCATGCAAGGAGGACCTCAGCCTGGGCTTGGAGACTCAGTGGCTGAAAGATGAGCTCGAG
 AGTGGACCCAACCTGGAAGCTGTTTGAGCTGAGCGAGATCGGGGAGGACAGCAGTCCCTCTGTGCTTTGAGA
 ACTGTGGCACCCTGCAGTCGTCGCTTCCGCTACCATCACCAGCTATTCTGTTCCGGAGCGTGTGGAGCT
 GAGACCTCTGCCAGCCTGGCAGCAAGTAGGCAAGGACCTCACCCTGCGCTGCCACGTGGATGGTGGAGCA
 CCGCGGACCCAGCTCTCAGCAGTGTCTCCGTGGGGAGGAGATACTGAGCCGCCAGCCAGTGGGTGGGC
 ACCCCAAGGACCCAAGGAGATCACATTACGGTGTGGCTAGCAGAGGGGACCACGGAGCCAATTTCTC
 ATGCCGCACAGAAGTGGATCTCAGGCCGCAAGGGCTGGCATTGTTCTCTAATGTCTCCGAGCCAGGCGC
 CTCGGGACTTTCGATCTTCCAGCTACCATCCAAAGCTCGACACCCTGACCTCCTGGAGGTGGGACCC
 AGCAGAAGTTGTTTTGCTCCCTGGAAGGCCTGTTTCTGCCTCTGAAGCTCGGATATACCTGGAGCTGGG
 AGGCCAGATGCCGACCCAGGAGAGCACAAACAGCAGCAGCTCTGTGTACGCCACTGCCTTGGTAGAGGTG
 ACTGAGGAGTTCGACAGAACCCTGCCGCTGCGCTGCGTTTTGGAGCTAGCGGACCAGATCCTGGAGACGC
 AGAGGACCTTAACAGTCTACAATTTTCAGCTCCGGTCTGACCTGAGCCAGCTGGAGGTCTCGGAAGG
 GAGCCAAGTAACTGTGAAGTGTGAAGCCACAGTGGGTGCAAGGTGGTCTTCTGAGCGGCGTCGAGCCT
 GGGCCACCCACCCGAGTCCAATTCACACTGAATGCCAGCTCGGAGGATCACAAACGGCGCTTCTTTT
 GCTCTGCCGCTCTGGAGGTGGCGGAAAGTTCTGTCTAAAAACCAGACCCTGGAAGTGCACGTGTGTA
 TGGTCTCGGCTGGACGAGACCGACTGCTTGGGAACTGGACCTGGCAAGAGGGGTCTCAGCAGACTCTG
 AAATGCCAGGCCTGGGGAAACCCATCTCCTAAGATGACCTGCAGACGGAAGGCAGATGGTCCCTGCTGC
 CCATCGGGGTGGTGAAGTCTGTCAAACAGGAGATGAATGGTACATACGTGTGCCATGCCTTTAGCTCCCA
 TGGGAATGTCACCAGGAATGTGTACCTGACAGTACTGTACCCTCTCAAATAACTGGACTATAATCATT
 CTGGTGCCAGTACTGCTGGTCATTGTGGGCTCGTGATGGCAGCCTTTATGTTTATAACCGCCAGAGAA
 AGATCAGGATATACAAGTTACAGAAGGCTCAGGAGGAGGCCATAAACTCAAGGGACAAGCCCCACCTCC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2501_a12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_010493

Insert Size: 1614 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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: [BC008626](#), [AAH08626](#)

RefSeq Size: 2540 bp

RefSeq ORF: 1614 bp

Locus ID: 15894

UniProt ID: [P13597](#)

Cytogenetics: 9 7.69 cM

Gene Summary: This gene encodes an integral membrane protein that binds leukocyte adhesion protein LFA-1. It participates in the innate immune response. [provided by RefSeq, Aug 2016]