

## Product datasheet for **SC120049**

### ICAM1 (NM\_000201) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ICAM1 (NM\_000201) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ICAM1  
**Synonyms:** BB2; CD54; P3.58  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000201 edited  
 GAATTCGGCAGCAGGCGAGAGTTGCAACCTCAGCCTCGCTATGGCTCCCAGCAGCCCCCGG  
 CCCGCGCTGCCGCACTCCTGGTCTGCTCGGGGCTCTGTTCCCAGGACCTGGCAATGCC  
 CAGACATCTGTGTCCCCCTCAAAAGTCATCCTGCCCGGGGAGGCTCCGTGCTGGTGACA  
 TGACAGCCTCCTGTGACCAGCCAAAGTTGTTGGGCATAGAGACCCCGTTGCCTAAAAAG  
 GAGTTGCTCCTGCCTGGGAACAACCGGAAGGTGTATGAACTGAGCAATGTGCAAGAAGAT  
 AGCCAACCAATGTGCTATTCAAACCTGCCCTGATGGGCAGTCAACAGCTAAAACCTTCTC  
 ACCGTGTACTGGACTCCAGAACGGGTGGAACCTGGCACCCTCCCCTTTGGCAGCCAGTG  
 GGCAAGAACCTTACCCTACGCTGCCAGGTGGAGGGTGGGGCACCCCGGGCAACCTCACC  
 GTGGTGTCTCCGTGGGAGAAGGAGCTGAAACGGGAGCCAGCTGTGGGGAGCCCGCT  
 GAGGTCACGACCACGGTGTGGTGAAGGAGATCACCATGGAGCAATTTCTCGTGCCGC  
 ACTGAACTGGACCTGCGGCCCAAGGGCTGGAGCTGTTTGAGAACACCTCGGCCCCCTAC  
 CAGCTCCAGACCTTTGTCTGCCAGCGACTCCCCACAATTGTGAGCCCCCGGGTCCCTA  
 GAGGTGGACACGCAGGGGACCGTGGTCTGTTCCCTGGACGGGCTGTTCCCAGTCTCGGAG  
 GCCCAGGTCCACCTGGCACTGGGGGACCAGAGGTTGAACCCACAGTCACCTATGGCAAC  
 GACTCCTTCTCGGCCAAGGCCTCAGTCAGTGTGACCGCAGAGGACGAGGGCACCCAGCGG  
 CTGACGTGTGCAGTAATACTGGGGAACCAGAGCCAGGAGACACTGCAGACAGTGACCATC  
 TACAGCTTTCGGCGCCCAACGTGATTCTGACGAAGCCAGAGGTCTCAGAAGGGACCCGAG  
 GTGACAGTGAAGTGTGAGGCCACCCTAGAGCCAAGGTGACGCTGAATGGGGTTCCAGCC  
 CAGCCACTGGGCCGAGGGCCAGCTCCTGCTGAAGGCCACCCAGAGGACAACGGGCGC  
 AGCTTCTCCTGCTCTGCAACCCTGGAGGTGGCCGCGCCAGCTTATACACAAGAACCAGACC  
 CGGGAGCTTCGTGCTGTATGGCCCCGACTGGACGAGAGGGATTGTCCGGGAACTGG  
 ACGTGGCCAGAAAATCCCAGCAGACTCCAATGTGCCAGGCTTGGGGGAACCCATTGCC  
 GAGCTCAAGTGTCTAAAGGATGGCACTTTCCCACTGCCCATCGGGGAATCAGTGACTGTC  
 ACTCGAGATCTTGAGGGCACCTACCTCTGTCGGGCCAGGAGCACTCAAGGGGAGGTCACC  
 CGCAAGGTGACCGTGAATGTGCTCTCCCCCGGTATGAGATTGTCATCATCACTGTGGTA  
 GCAGCCGACGTCATAATGGGCACTGCAGGCCTCAGCACGTACCTCTATAACCGCCAGCGG



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AAGATCAAGAAATACAGACTACAACAGGCCAAAAAGGGACCCCATGAAACCGAACACA  
 CAAGCCACGCCTCCCTGAACCTATCCCGGGACAGGGCCTCTTCCCTCGGCCTTCCCATATT  
 GGTGGCAGTGGTGCCACACTGAACAGAGTGAAGACATATGCCATGCAGCTACACCTACC  
 GGCCCTGGGACGCCGGAGGACAGGGCATTGTCTCAGTCAGATACAACAGCATTGGGGC  
 CATGGTACCTGCACACCTAAAACACTAGGCCACGCATCTGATCTGTAGTCACATGACTAA  
 GCCAAGAGGAAGGAGCAAGACTCAAGACATGATTGATGGATGTTAAAGTCTAGCCTGATG  
 AGAGGGGAAGTGGTGGGGAGACATAGCCCCACCATGAGGACATACAACCTGGGAAATACT  
 GAAACTTGCTGCCTATTGGGTATGCTGAGGCCCCACAGACTTACAGAAGAAGTGGCCCTC  
 CATAGACATGTGTAGCATCAAAACACAAAAGGCCACACTTCTGACGGATGCCAGCTTGG  
 GCACTGCTGTCTACTGACCCCAACCCTTGATGATATGATTTTATTCATTTGTTATTTTAC  
 CAGCTATTTATTGAGTGTCTTTTATGTAGGCTAAATGAACATAGGTCTCTGGCCTCACGG  
 AGCTCCCAGTCTAATCACATTCAGGTACCAGGTACAGTTGTACAGTTGTACTACTGC  
 AGGAGAGTGCCTGGCAAAAAGATCAAATGGGGCTGGGACTTCTCATTGGCCAACCTGCCT  
 TTCCCCAGAAGGAGTGATTTTTCTATCGGCACAAAAGCACTATATGGACTGGTAATGGTT  
 ACAGGTTACAGAGATTACCCAGTGAGGCCTTATTCTCCCTTCCCCCAAACTGACACCT  
 TTGTTAGCCACCTCCCCACCCACATACATTTCTGCCAGTGTTCACAATGACACTACGCG  
 TCATGTCTGGACATGAGTGCCCAGGAATATGCCAAGCTATGCCTTGTCTCTTGTCTCT  
 GTTTGCATTTCACTGGGAGCTTGCACTATGCAGCTCCAGTTTCTGCAGTGATCAGGGTC  
 CTGCAAGCAGTGGGAAGGGGGCAAGGTATTGGAGGACTCCCTCCCAGCTTTGGAAGCC  
 TCATCCCGTGTGTGTGTGTGTATGTGTAGACAAGCTCTCGCTCTGTACCCAGGCTG  
 GAGTGCAGTGGTCAATCATGGTCACTGCAGTCTTGACCTTTTGGGCTCAAGTGATCCT  
 CCCACCTCAGCCTCCTGAGTAGCTGGGACCATAGGCTCACAACACCACACCTGGCAAATT  
 TGATTTTTTTTTTTTTCCAGAGACGGGGTCTCGCAACATTGCCCAGACTTCCTTTGTGT  
 TAGTTAATAAAGCTTTCTCAACTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACT  
 CGAC

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_000201 unedited  
 NGTTACAAAATTGTATACGATTCACATATAGGCGGCCGGAATTCGCACGAGGCAGAGTTG  
 CAACCTCAGCCTCGCTATGGCTCCCAGCAGCCCCGGCCCGCCTGCCCGCACTCCTGGT  
 CCTGCTCGGGGCTCTGTTCCCAGGACCTGGCAATGCCCAGACATCTGTGTCCCCCTCAA  
 AGTCATCCTGCCCGGGGAGGCTCCGTGCTGGTGACATGCAGCACCTCCTGTGACCAGCC  
 CAAGTTGTTGGGCATAGAGACCCGTTGCCTAAAAGGAGTTGCTCCTGCCTGGGAACAA  
 CCGGAAGGTGATGAACTGAGCAATGTGCAAGAAGATAGCCAACCAATGTGCTATTCAA  
 CTGCCCTGATGGGCAGTCAACAGCTAAAACCTTCTCACCGTGTACTGGACTCCAGAACG  
 GGTGGAACGGCACCCCTCCCCTCTTGGCAGCCAGTGGGCAAGAACCTTACCCTACGCTG  
 CCAGGTGGAGGGTGGGGACCCCGGCCAACCTCACCGTGGTGTCTCCGTGGGGAGAA  
 GGAGCTGAAACGGGAGCCAGCTGTGGGGAGCCCGCTGAGGTCACGACCAGGTGCTGGT  
 GAGGAGAGATACCATGGAGCCAATTTCTCGTGCCGCACTGAACTGGACCTGCGGCCCA  
 AGGGCTGGAGCTTTTGAGAACACCTCGGCCCTTACCAGCTCCAGACCTTTGTCCTGCC  
 AGCGACTCCCCACAACCTGTACGCCCCGGTCTAGAGGTGGACACGCANGGGACCGT  
 GGTCTGTTCCCTGGACGGGCTGTTCCAGTCTCGGAGCCAGGTACCTTGCCTGGGGG  
 ACCAGAGTTGAACCCCAAGTCACCTATGCAACGACTCCTTTTCGCCAAGCCCTAGTCATG  
 TC



<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>	<a href="#">NM_000201.1</a> , <a href="#">NP_000192.1</a>
<b>RefSeq Size:</b>	2986 bp
<b>RefSeq ORF:</b>	1599 bp
<b>Locus ID:</b>	3383
<b>UniProt ID:</b>	<a href="#">P05362</a>
<b>Cytogenetics:</b>	19p13.2
<b>Domains:</b>	IG, ICAM_N
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Viral myocarditis
<b>Gene Summary:</b>	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]