

Product datasheet for **MC217690**

Cd1d2 (BC057149) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd1d2 (BC057149) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd1d2
Synonyms: CD1.2; Cd1b; Ly-38
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC057149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGTACCTACCGTGCCTGTTGCTGTGGGCATTCTACAGGTCTGGGACAATCTGAAGTCCAGCAA
AGAATTACACCTCCGCTGCCTGCAGACTTCTTCTTTGCTAACATAAGCTGGTCCCGCACAGACAGCCT
GATCTTGCTGGGGATCTGCAGACACACCGTTGGAGTAATGACTCAGCCATCATCAGCTTCAGGAAGCCA
TGGTCCCAGGATCCCATTGAGATCCAGTTGTCTACCGGCTGTGAAATGTACCCTGGGAATGCTTCGGAAA
GCTTTTTTCATGTAGCATTTCAAGGAAAATATGCCGTGAGATTCCGGGGAACATCTTGGCAGAGGGTCT
AGGGGCCCATCTTGGTTAGACTTGCCCATCAAAGTGCTCAACGCTGATCAAGGGACAAGTGCAACCGTG
CAGACGCTCCTGAATGACACCTGGCCCCAGTTTGGCCGTGGTCTCCTAGAGGCAGGGAAGTCAGACCTAG
AGAAGCAAGAGAAGCCAGTGGCTGGTTGTCCAGTGTCCCAGCTCTGCACATGGCCATCTGCAGCTGGT
GTGTATGTCTCTGGCTTCTACCCAAAACCTGTGTGGGTGATGTGGATGCGGGGTGACCAGGAGCAACAG
GGTACTCACAGAGGTGATTTCTGCCAAATGCTGATGAGACATGGTATCTTCAAGCAACCTGGATGTGG
AGGCTGGAGAGGAAGCTGGCCTGGCTGCAGGGTGAAGCACAGCAGCCTAGGAGGACAGGATATCATCCT
CTACTGGGATGCCAGGCAAGCACCCGTGGCCTGATCGTCTTCATAGTACTAATCATGCTAGTGGTGGTG
GGTGTGTAGTCTACTATATCTGGAGAAGGAGAAGCGCTTATCAAGACATCCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC057149
Insert Size: 897 bp



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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>BC057149</u> , <u>AAH57149</u>
RefSeq Size:	1145 bp
RefSeq ORF:	896 bp
Locus ID:	12480
Cytogenetics:	3 37.88 cM
Gene Summary:	This gene encodes a MHC class I-like molecule involved in the presentation of lipid antigens to T cells, and is involved in the activation of Natural Killer T (NKT) cells. The gene is highly similar to the CD1d1 antigen gene, which is located adjacent to this gene in a tail-to-tail fashion. This gene contains a frameshift and does not produce a functional product in the C57BL/6 strain. Alternatively splice transcript variants encoding different isoforms have been found in non-C57BL/6 strains. [provided by RefSeq, Jan 2014]