

Specifications:

Gene:	mCd19
Accession:	NP_033974
Insert size:	1657bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

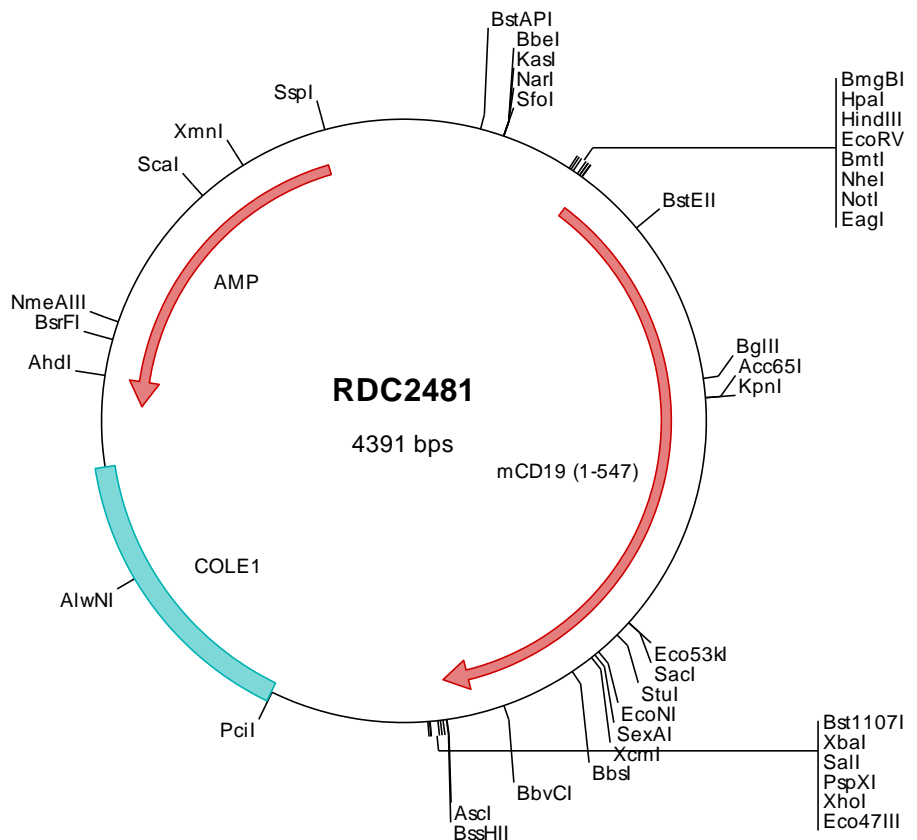
mCD19 cDNA Plasmid

Cd19 CD19 antigen [*Mus musculus* (house mouse)]

Also known as: AW495831

Summary:

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B-cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. CD19 forms a complex with CD21, CD81 and CD225 in the membrane of mature B-cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2481 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatag cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgccccct tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcaacc atgccatctc ctctccctgt ctccctctc ctctttotta ccttagtagg
501 aggcaggccc cagaagtctt tactgttgga ggtagaagag ggaggcaatg ttgtgtctgc atgccctccg gactcctcac ctgtctcttc tgagaagctg
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> RDC2481 Translated Insert Sequence

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201 pvpvakgsis wthvhprrpn vsllslslgg ehpvremwvw gsllllpqat aldegttycl rgnltierhv kviarsawl wllrtggwiv pvvtlvvif
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