MCLAB

Data Report

For a known sample from Mus musculus mRNA for anti-human CD19 monoclonal antibody 4G7 immunoglobulin gamma1 heavy chain (IGHG1 gene)

The whole sequence from NCBI:

ctgactctaaccatggaatggagttggatatttctctttctcctgtcaggaactgcaggtgtccactctgaggtccagctgcagcagtctggacctgagctgataaagcctggggc
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atgatggtactaagtacaatgagaagttcaaaggcaaggccacactgacttcagacaaatcctccagcacagcctacatggagctcagcagcctgacctctgaggactctgcg
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gccttgggaccctgcaataaaaaaaaaaaaaaaa

VDC-100 Monoclonal Antibody Sequencing Services would provide you the following information:

>DNA level

ctgactctaaccatggaatggagttggatatttctctttctcctgtcaggaactgcaggtgtccactctgaggtccagctgcagcagtctggacctgagctgataaagcctggggc
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gccttgggaccctgcaataaaaaaaaaaaaaaaa

>Amino acid level

MEWSWIFLFLLSGTAGVHSEVQLQQSGPELIKPGASVKMSCKASGYTFTSYVMHWVKQKPGQGLEWIGYINPYNDGTKYNEKFKGK
ATLTSDKSSSTAYMELSSLTSEDSAVYYCARGTYYYGSRVFDYWGQGTTLTVSSAKTTPPSVYPLAPGSAAQTNSMVTLGCLVKGYFPE
PVTVTWNSGSLSSGVHTFPAVLQSDLYTLSSSVTVPSSTWPSETVTCNVAHPASSTKVDKKIVPRDCGCKPCICTVPEVSSVFIFPPKPKD
VLTITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTQPREEQFNSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKT
KGRPKAPQVYTIPPPKEQMAKDKVSLTCMITDFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLNVQKSNWEAGNTFT
CSVLHEGLHNHHTEKSLSHSPGK

1-19: leader sequence (signal peptide)
20-140: variable domain
141-464: constant domain

For a known sample from Mus musculus mRNA for anti-human CD19 monoclonal antibody 4G7 immunoglobulin kappa light chain (IGK gene)

The whole sequence from NCBI:

cttttttgtatcaagttctcagaatgaggtgcctagctgagttcctggggctgcttgtgctctggatccctggagccattggggatattgtgatgactcaggctgcaccctctatacct
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aaagtgagtctttgcacttgaaaaaaaa

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>DNA level

cttttttgtatcaagttctcagaatgaggtgcctagctgagttcctggggctgcttgtgctctggatccctggagccattgggatattgtgatgactcaggctgcaccctctatacct
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aaagtgagtctttgcacttgaaaaaaaa

>Amino acid level

MRCLAEFLGLLVLWIPGAIGDIVMTQAAPSIPVTPGESVSISCRSSKSLLNSNGNTYLYWFLQRPGQSPQLLIYRMSNLASGVPDRFSGS
GSGTAFTLRISRVEAEDVGVYYCMQHLEYPFTFGAGTKLELKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPKDINVKWKIDGSER
QNGVLNSWTDQDSKDSTYSMSSTLTLTKDEYERHNSYTCEATHKTSTSPIVKSFNRNEC

1-20: leader sequence (signal peptide)
21-132: variable domain
133-239: constant domain