

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:

```
ctgacttaaccatggaatggagttggatattctcttctcctgtcaggaactgcaggtgtccactctgaggtccagctgcagcagctggacctgagctgataaagcctggggc
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atgatggtactaagtacaatgagaagttcaaaggccaaggccactgacttcagacaaatcctccagcacagcctacatggagctcagcagcctgacctctgaggactctgcg
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agaagagcctctccactctctgtaaatgatcccagtgctcctggagccctctggtcctacaggactctgacacctacccctccctgtataaataaagcaccagcact
gccttgggaccctgcaataaaaaaaaaaaaaaaaa
```

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

>DNA level

```
gaggtccagctgcagcagctggacctgagctgataaagcctggggcctcagtgaaagtgtcctgcaaggctctggatacacattcactagctatggtatgcactgggtgaag
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agcacagcctacatggagctcagcagcctgacctctgaggactctgctgcttactgtgcaagagggacttactacggtagtagggatttgactactggggccaaggc
accactctcacagtctccta
```

>Amino acid level

```
EVQLQOSGPELIKPGASVKMSCKASGYTFYSYMHVWKQKPGQGLEWIGYINPYNDGTYNEKFKGKATLTSKSSSTAYMELSSLT
SEDSAVYYCARGTYYYGSRVFDYWGQGTTLTVSS
```

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:

```
cttttgatcaagttctcagaatgaggtgcctagctgagttcctggggctgcttgctgctggatccctggagccattgggatattgtgatgactcaggctgcaccctctacct
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aaagtgagctttgcactgaaaaaaaa
```

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

>DNA level

```
gatattgtgatgactcaggctgcaccctctatactgtcactcctggagagtcagatccatctcctgcaggtctagtaagagtcctctgaatagtaatggcaacacttactgtattg
gtcctcagagccaggccagtcctcagctcctgatatacggatgccaacctgcctcaggagctccagacaggttcagtgccagtggtcaggaactgcttcacactg
agaatcagtagagtgaggctgaggatgtgggtgtttactgtatgcaacatctagaatatccgttcacgttcggtgctgggaccaagctggagctgaaa
```

>Amino acid level

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DIVMTQAAPSIPVTPGESVSISSKSLNLSNGNTLYWFLQRPQGQSPQLLIYRMSNLSGVPDRFSGSGSFTAFLRISRVEAEDVGV
YYCMQHLEYPFTFGAGTKLELK
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