

1 **Table S1.** Primers used in this study.

Primers	Oligo sequences (5'-3')	Lengths
HuMAb- 1G7C2		
-Heavy chain plasmid		
pFuse_VH_1G7C2-F	GATCACCGGTGAATTGCCACCATGGACTGGACC	33
pFuse_VH_1G7C2-R	GGTGCTAGCACTCGAGGGTGCCAGGGGGAAGAC	33
-Light chain plasmid		
pFuse_VL_1G7C2-F	ACCTGAGATCACCGGGCCACCATGGCCTGG	30
pFuse_VL_1G7C2-R	AGCTTGGTACCCATGCTCGAG GGC GGGAAC	30
Modified-pFUSE_1G7C2_hVH		
VH_1G7C2-LALA-F	AGCACCTGAAGCAGCCGGGGGACCGTCAGTCTTCCTCTCCCC	43
VH_1G7C2-LALA-R	GGGCACGGTGGGCATGTG	18