

FIGURE 1**A – VK SEQUENCES**

77E11 DIVLTQSPASLAVSLGQRATMSCRASENIDNSGISFMNWFQQKPGQPPKLLIY
PD1-1 EIVLTQSPATLSLSPGERATMSCRASENIDTSGISFMNWFQQKPGQAPKLLIY
PD1-2 EIVLTQSPATLSLSPGERATMSCRASENIDTSGISFMNWFQQKPGQAPKLLIY
PD1-3 EIVLTQSPATLSLSPGERATMSCRASENIDVSGISFMNWFQQKPGQAPKLLIY
PD1-4 EIVLTQSPATLSLSPGERATMSCRASENIDVSGISFMNWFQQKPGQAPKLLIY
PD1-5 EIVLTQSPATLSLSPGERATMSCRASENIDVSGISFMNWFQQKPGQAPKLLIY

A – VK SEQUENCES

77E11 VASNQGSGVPARFSGSGSGTD^{FRLTI}HPLEDDTAMYFCQQSKEVPWTFGGGKLEIK
PD1-1 VASNQGSGIPARFSGSGSGTD^{FTLTISR}LEPEDFAVYYCQQSKEVPWTFGQGTKLEIK
PD1-2 VASNQGSGIPARFSGSGSGTD^{FTLTISR}LEPEDFAVYYCQQSKEVPWTFGQGTKLEIK
PD1-3 VASNQGSGIPARFSGSGSGTD^{FTLTISR}LEPEDFAVYYCQQSKEVPWTFGQGTKLEIK
PD1-4 VASNQGSGIPARFSGSGSGTD^{FTLTISR}LEPEDFAVYYCQQSKEVPWTFGQGTKLEIK
PD1-5 VASNQGSGIPARFSGSGSGTD^{FTLTISR}LEPEDFAVYYCQQSKEVPWTFGQGTKLEIK

FIGURE 1 (continued)

B – VH SEQUENCES

77E11 EVMLVESGGGLVKPGGSLKLSCTASSGFTFSNSAMSWVRQTPERRLEWVA
PD1-1 EVMLVESGGGLVQPGGSLRLSCTASSGFTFSASAMSWVRQAPGKGLEWVA
PD1-2 EVMLVESGGGLVQPGGSLRLSCTASSGFTFSASAMSWVRQAPGKGLEWVA
PD1-3 EVMLVESGGGLVQPGGSLRLSCTASSGFTFSKSAMSWVRQAPGKGLEWVA
PD1-4 EVMLVESGGGLVQPGGSLRLSCTASSGFTFSKSAMSWVRQAPGKGLEWVA
PD1-5 EVMLVESGGGLVQPGGSLRLSCTASSGFTFSKSAMSWVRQAPGKGLEWVA

B – VH SEQUENCES

77E11 YISGGGGDTYYSDSVKGRFTISRDNAKDTLYLHMSSLRSEDTALHYCARHSNSNYYAMDYWGQGTSLVTSS
PD1-1 YISGGGGDTYYSSSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARHSNVNYYAMDYWGQGTSLVTSS
PD1-2 YISGGGGDTYYSSSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARHSNPNYYAMDYWGQGTSLVTSS
PD1-3 YISGGGGDTYYSSSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARHSNVNYYAMDYWGQGTSLVTSS
PD1-4 YISGGGGDTYYSSSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARHSNVNYYAMDYWGQGTSLVTSS
PD1-5 YISGGGGDTYYSSSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARHSNVNYYAMDYWGQGTSLVTSS

FIGURE 2

A)

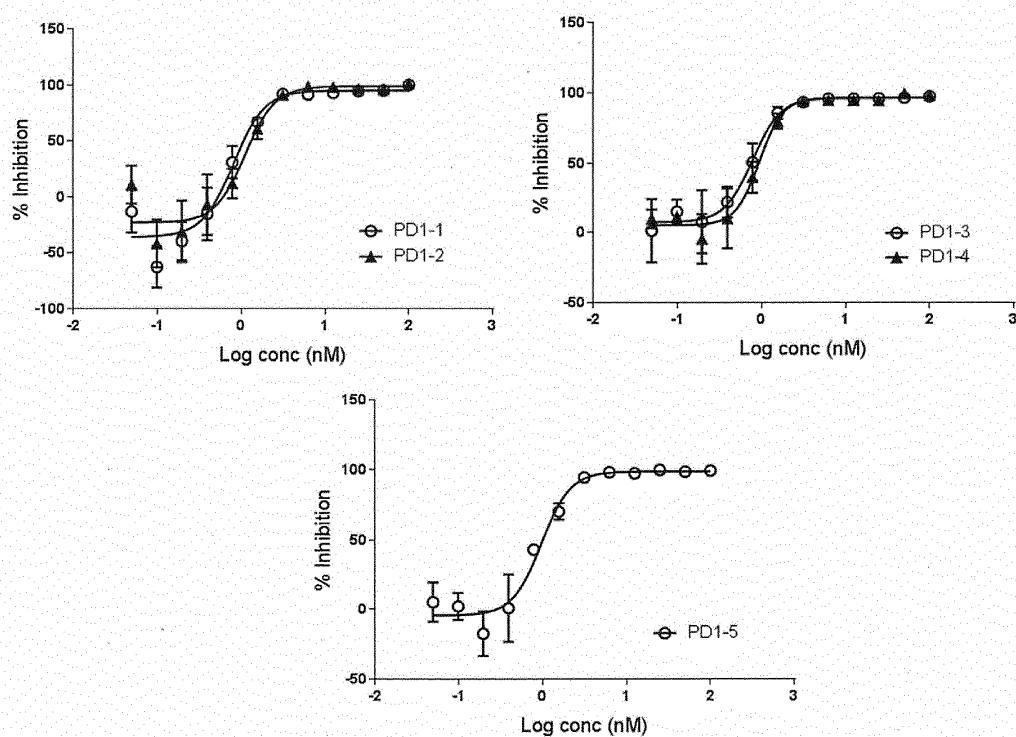


FIGURE 2 (continued)

B)

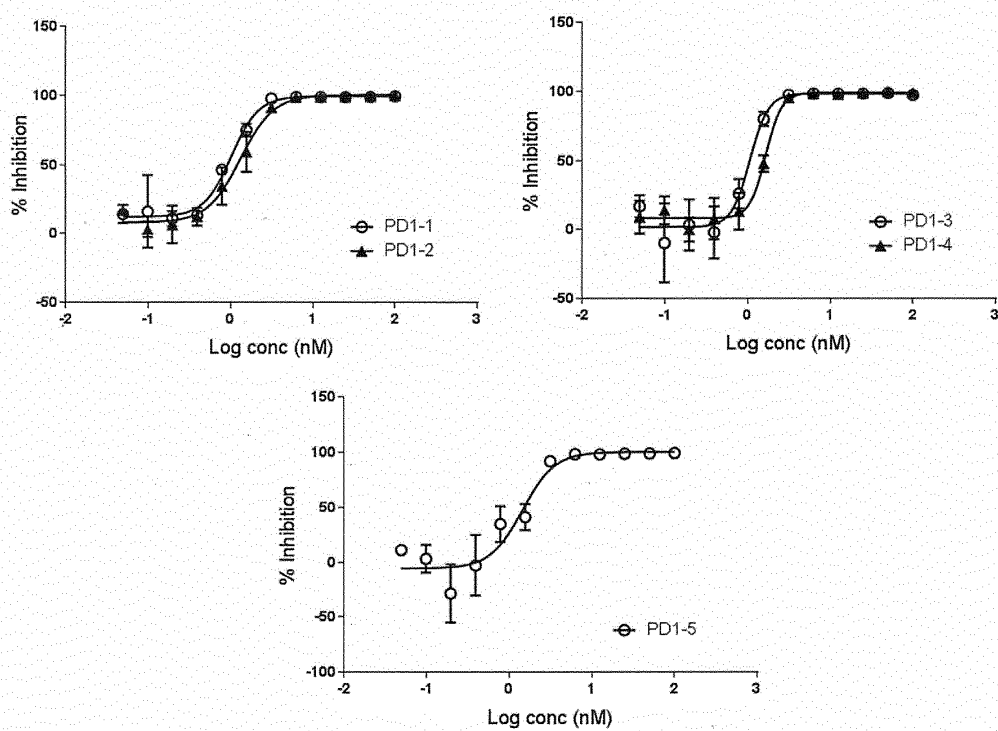


FIGURE 3

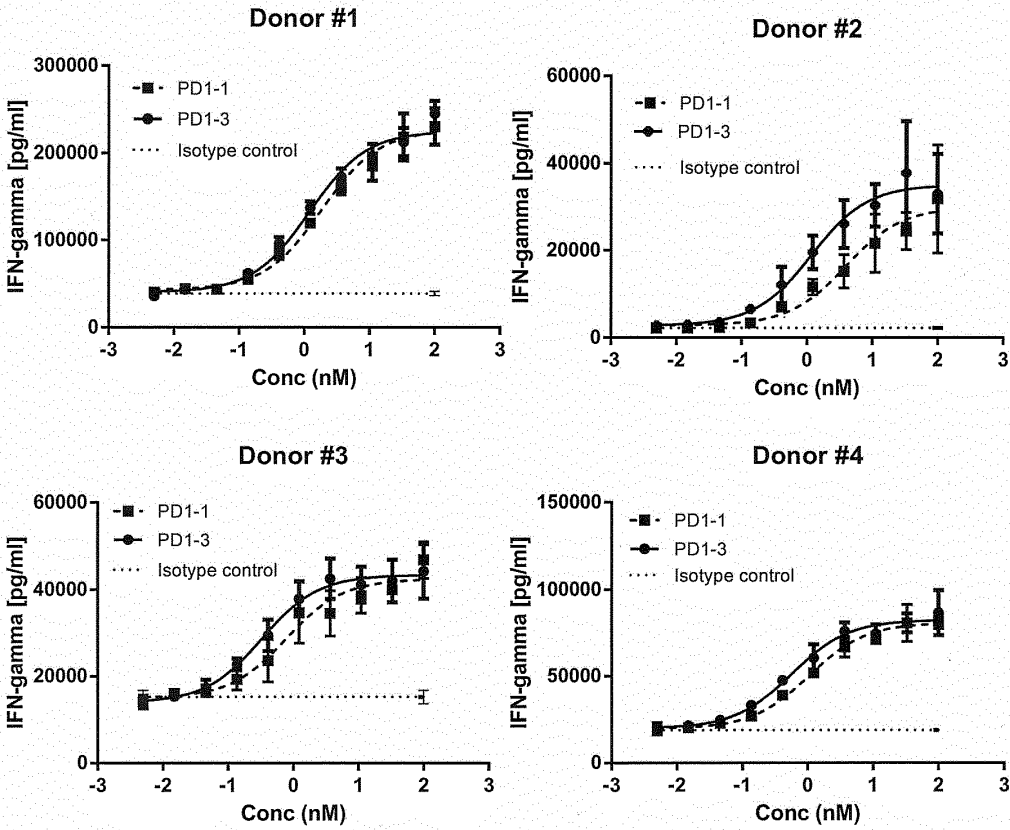


FIGURE 4

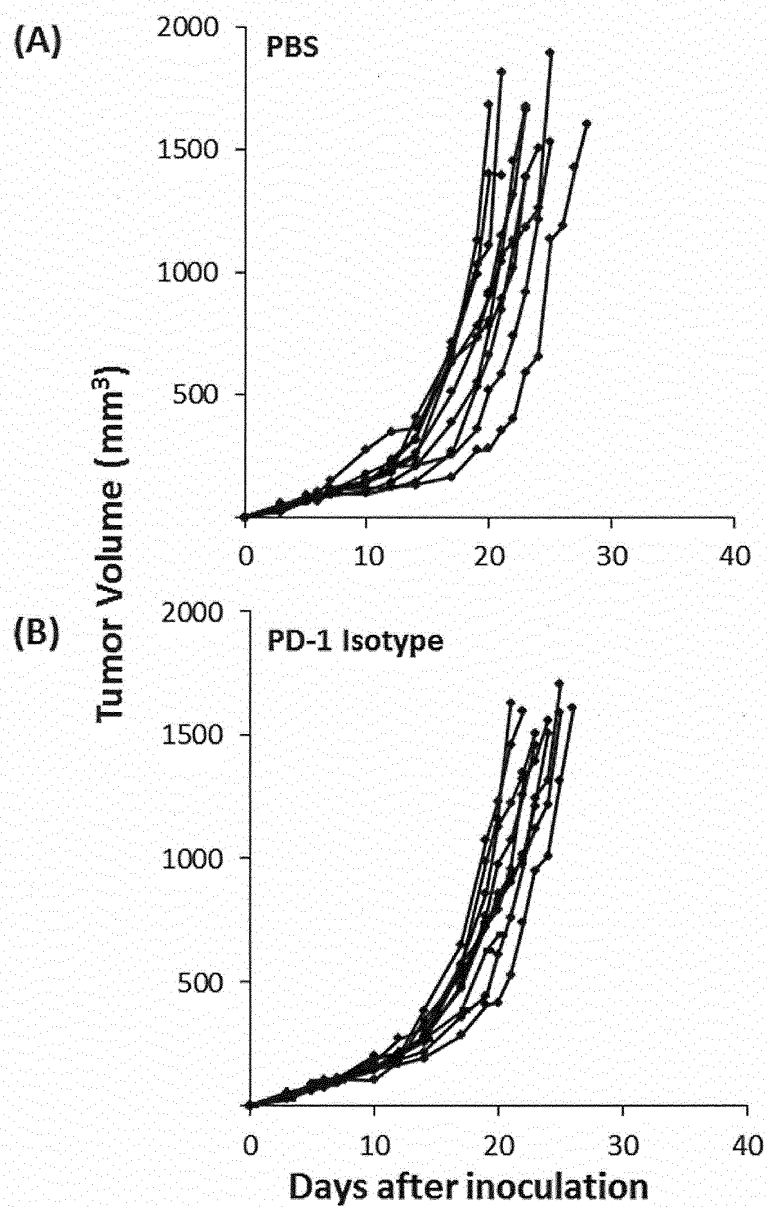


FIGURE 4 (continued)

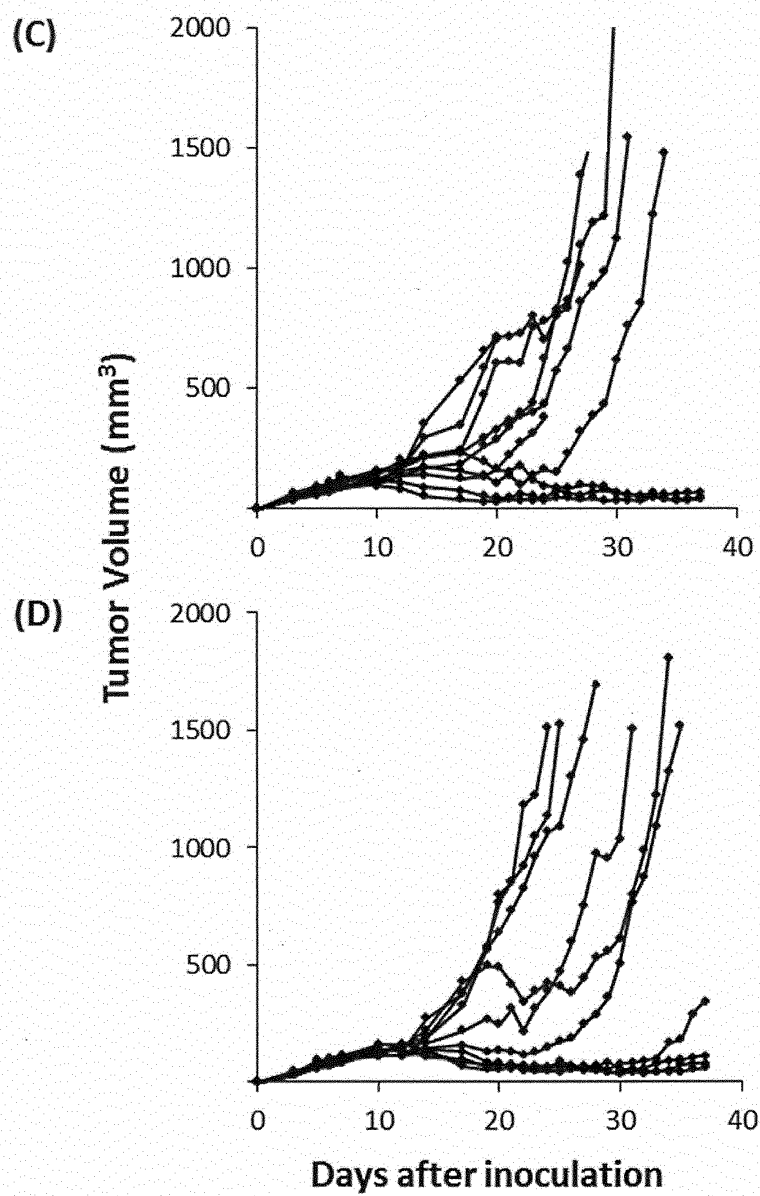


FIGURE 5

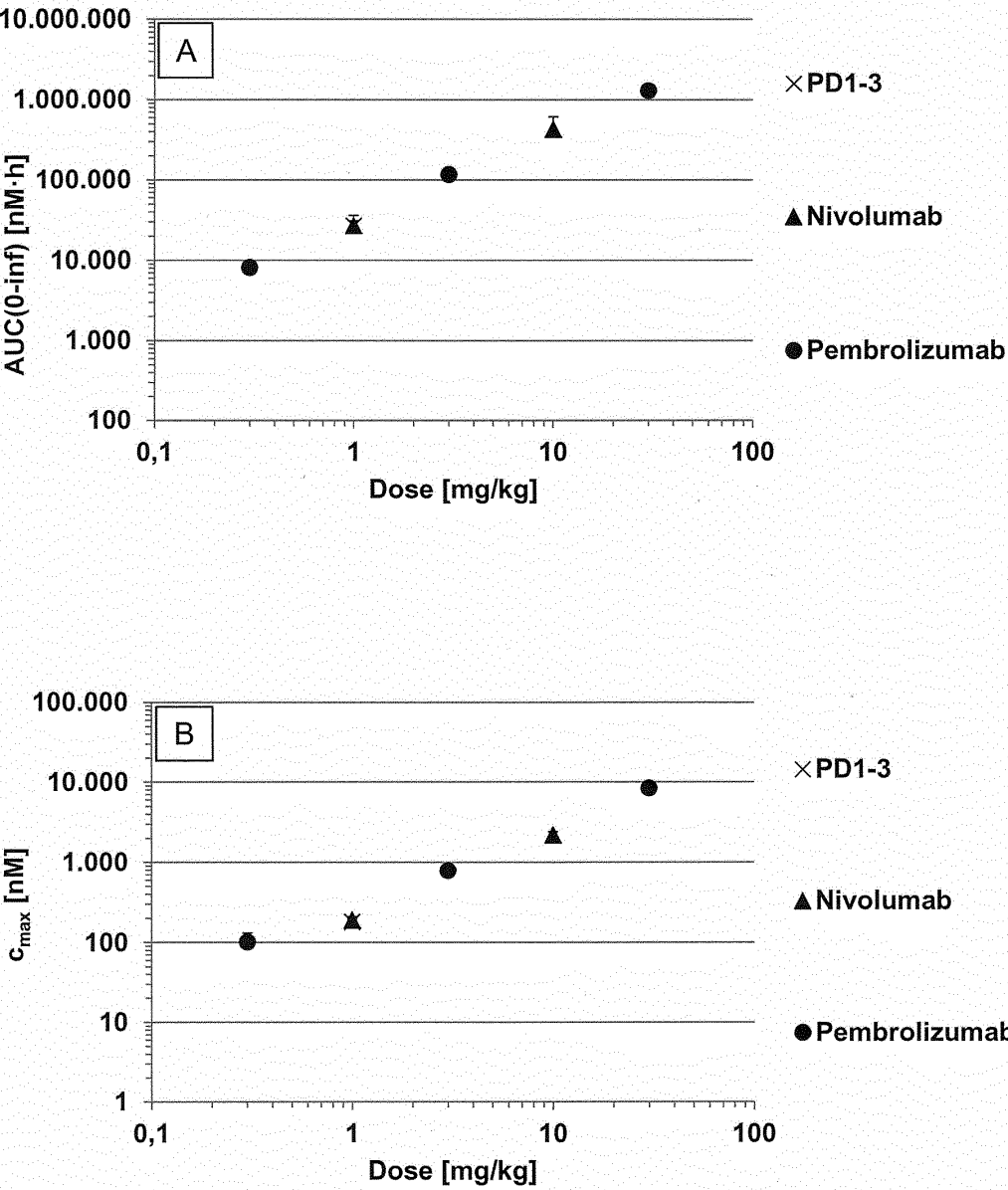


FIGURE 5 (continued)

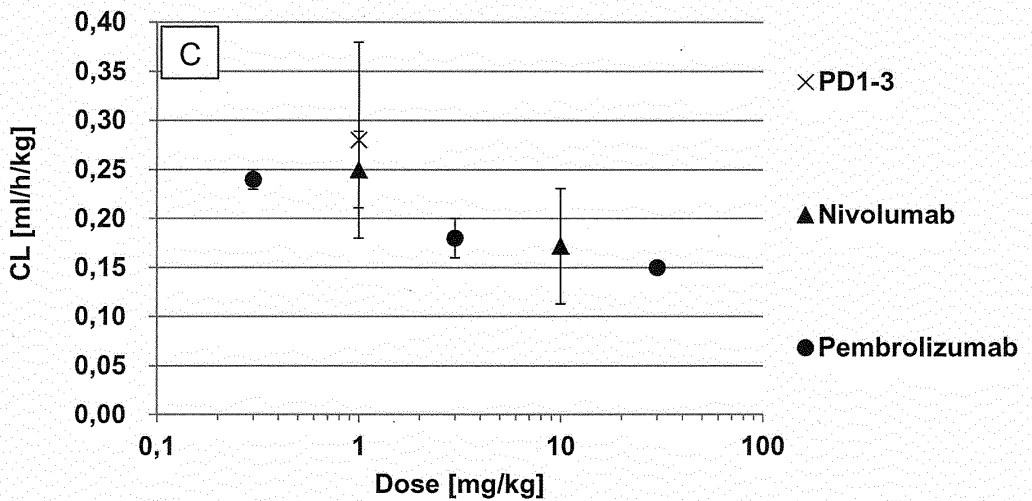
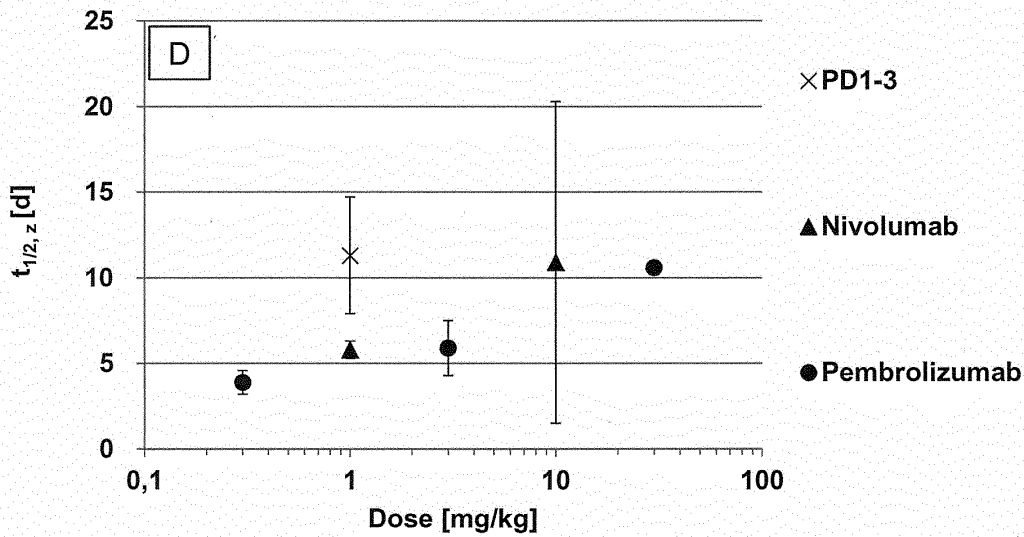


FIGURE 6

A – VK SEQUENCES

496G6 DIVMTQSHKFMSTSVGDRVSFTCKASQDVNTAVAWYQQKPGQSPKLLIY
LAG3-1 DIQMTQSPSFLSASVGDRVSITCKASQDVSTAVAWYQQKPGKAPKLLIY
LAG3-2 DIQMTQSPSFLSASVGDRVTFTCKASQDVSTAVAWYQQKPGKAPKLLIY
LAG3-3 DIQMTQSPSFLSASVGDRVTITCKASQDVSTAVAWYQQKPGKAPKLLIY
LAG3-4 DIVMTQSPSFLSASVGDRVTITCKASQDVSTAVAWYQQKPGKAPKLLIY
LAG3-5 DIQMTQSPSFLSASVGDRVSITCKASQDVSTAVAWYQQKPGKAPKLLIY

A – VK SEQUENCES

496G6 SASYRYTGVPDRFTGSGSGTDFTTISSVQAEDLALYYCQQHYSIPLTFGAGTKLELK
LAG3-1 SASYRYTGVPDRFSGSGSGTDFTLTISSLPEDFATYYCQQHYSIPLTFGQGTKLEIK
LAG3-2 SASYRYTGVPDRFSGSGSGTDFTLTISSLPEDFATYYCQQHYSIPLTFGQGTKLEIK
LAG3-3 SASYRYTGVPDRFSGSGSGTDFTLTISSLPEDFATYYCQQHYSIPLTFGAGTKLEIK
LAG3-4 SASYRYTGVPDRFSGSGSGTDFTLTISSLPEDFATYYCQQHYSIPLTFGQGTKLEIK
LAG3-5 SASYRYTGVPDRFSGSGSGTDFTLTISSLPEDFAVYYCQQHYSIPLTFGQGTKLEIK

FIGURE 6 (continued)

B – VH SEQUENCES

496G6 QVTLKESGPGILQPSQTL~~SLTCSFSGFSLSTSDMGVGWIRQPSGKGLEWLA~~
LAG3-1 QVTLVESGGGVVQPGRSLRLSCAF~~S~~SGFSLSTSDMGVGWIRQAPGKGLEWVA
LAG3-2 QVTLKESGPTLVKPTQT~~LTLTCSFSGFSLSTSDMGVGWIRQPPGKALEWLA~~
LAG3-3 QVTLVESGGGVVQPGRSLRLSCAF~~S~~SGFSLSTSDMGVGWVRQPPGKGLEWVA
LAG3-4 QVTLVESGGGVVQPGRSLRLSCAF~~S~~SGFSLSTSDMGVGWIRQAPGKGLEWVA
LAG3-5 QVTLKESGPTLVKPTQT~~LTLTCSFSGFSLSTSDMGVGWIRQPPGKALEWLA~~

B – VH SEQUENCES

496G6 HIWWDDVKRYNPALKSRLTISKDTSSSQVFLMIASVDTADTATYFCARIEDYGVSYFFDYWGQGTTLTVSS
LAG3-1 HIWWDDVKRYNPALKSRFTISRDN~~SKNTLYLQMN~~SLRAEDTAVYFCARIEDYGVSYFFDYWGQGTTVTVSS
LAG3-2 HIWWDDVKRYNPALKSRLTITKDTSKNQVLTMTNMDPVDTATYFCARIEDYGVSYFFDYWGQGTTVTVSS
LAG3-3 HIWWDDVKRYNPALKSRFTISRDN~~SKNTLYLQMN~~SLRAEDTATYFCARIEDYGVSYFFDYWGQGTTVTVSS
LAG3-4 HIWWDDVKRYNPALKSRFTISRDN~~SKNTLYLQMN~~SLRAEDTATYFCARIEDYGVSYFFDYWGQGTTVTVSS
LAG3-5 HIWWDDVKRYNPALKSRLTITKDTSKNQVLTMTNMDPVDTATYFCARIEDYGVSYFFDYWGQGTTVTVSS

FIGURE 7

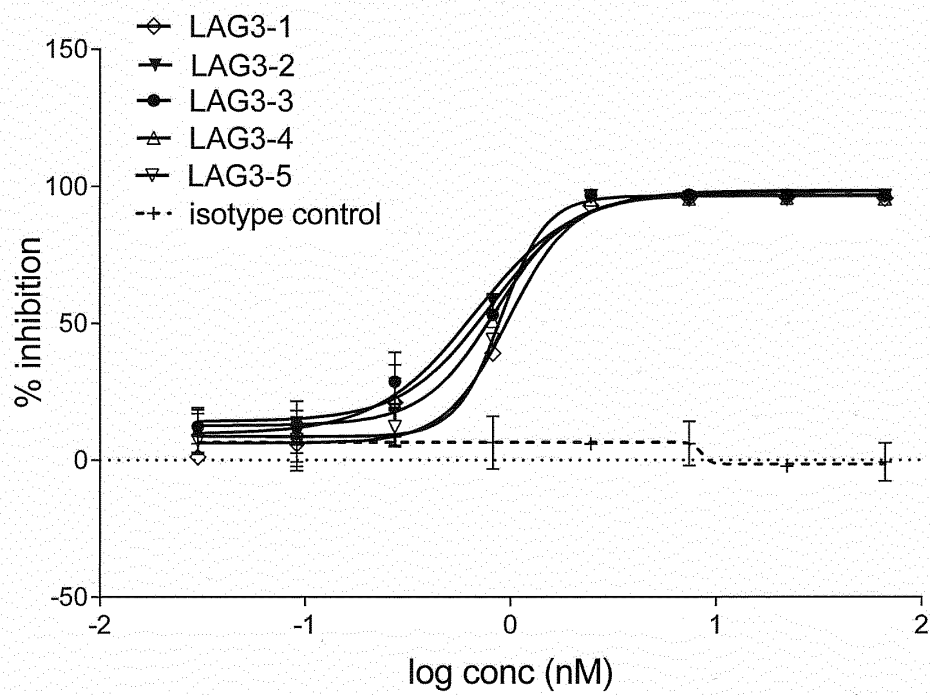


FIGURE 8

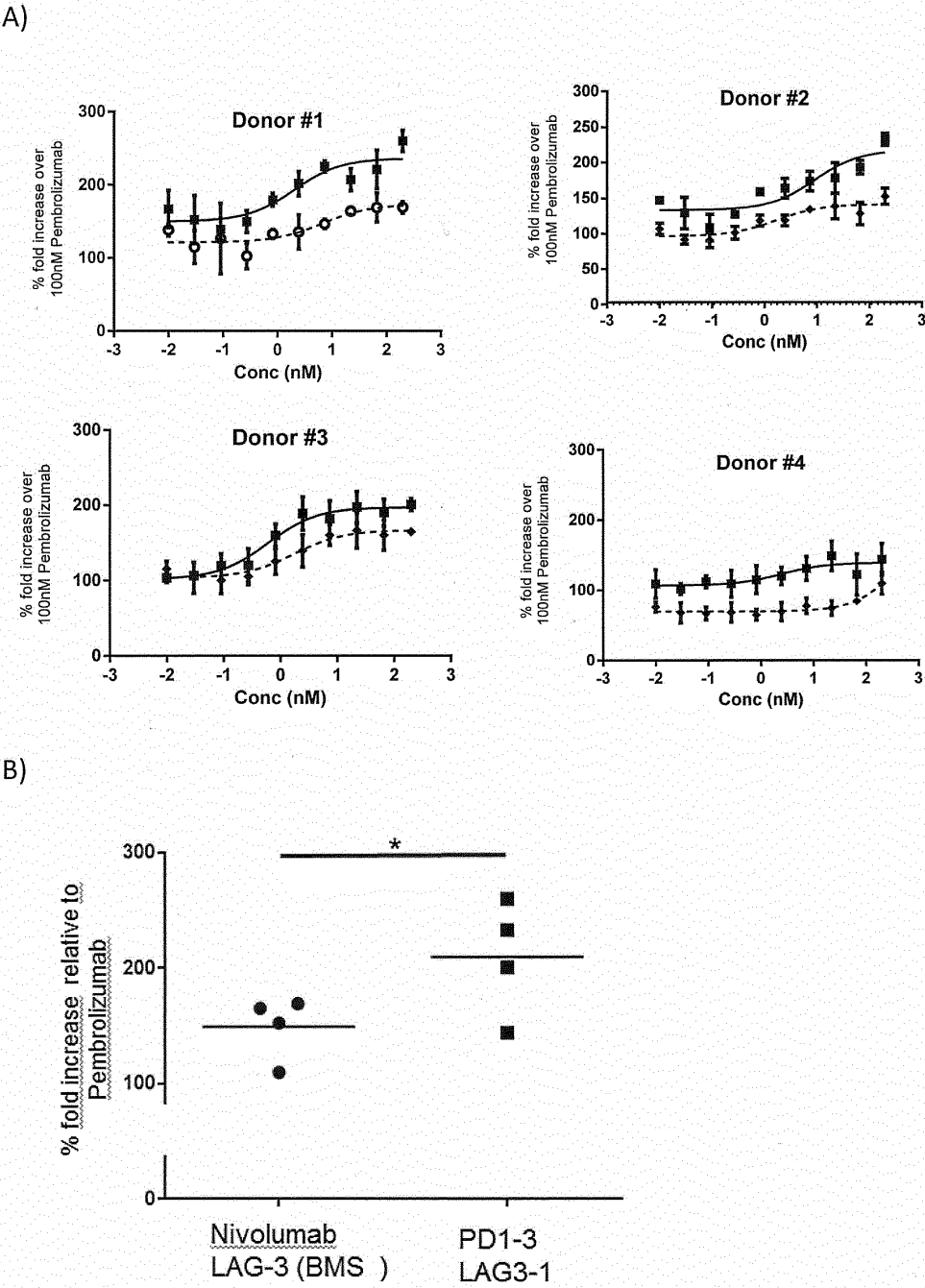


FIGURE 9

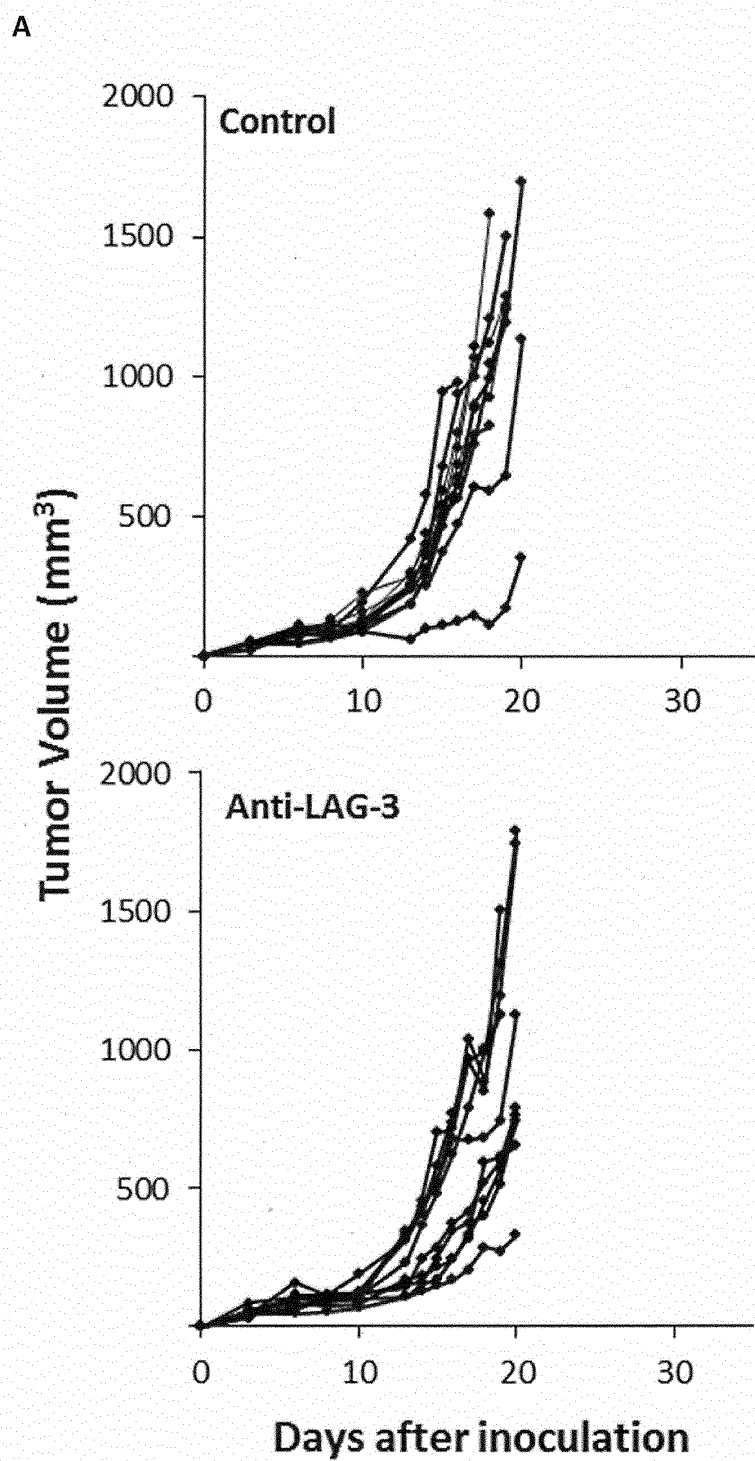


FIGURE 9 (continued)

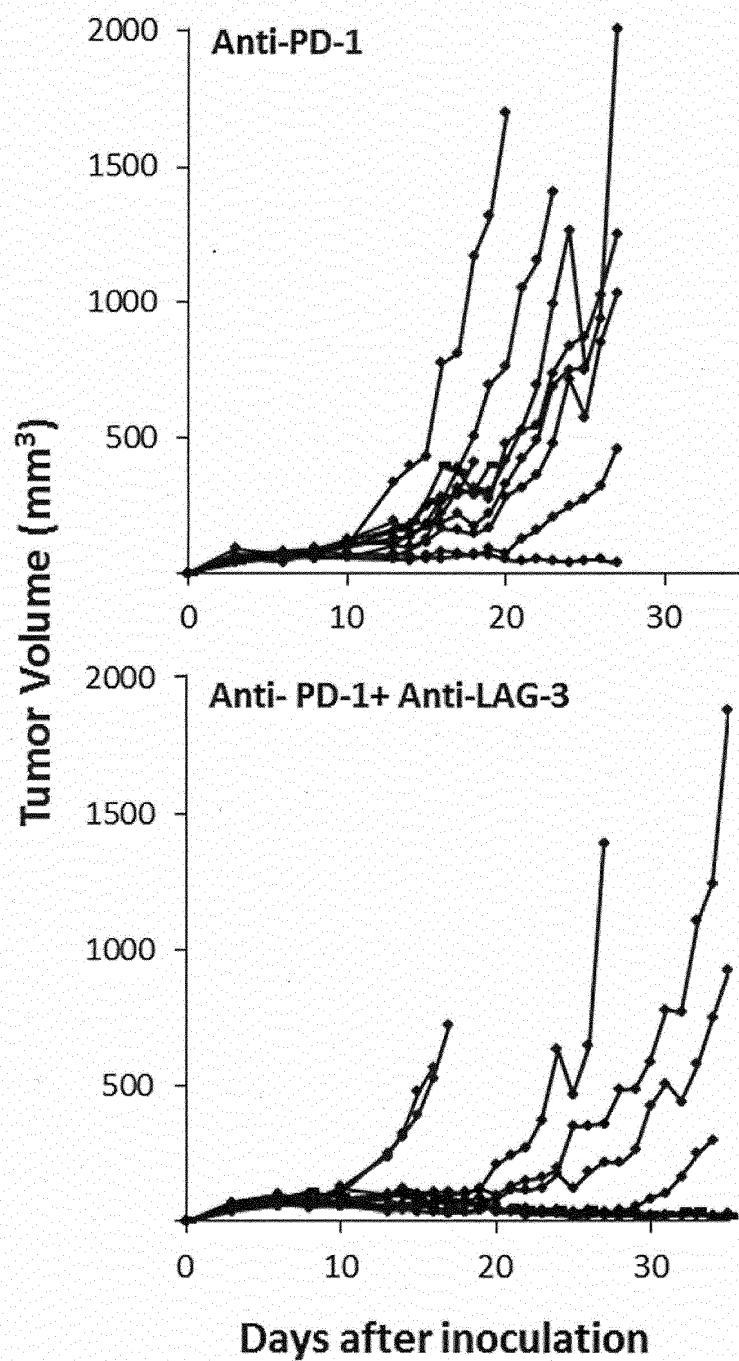


FIGURE 9 (continued)

B

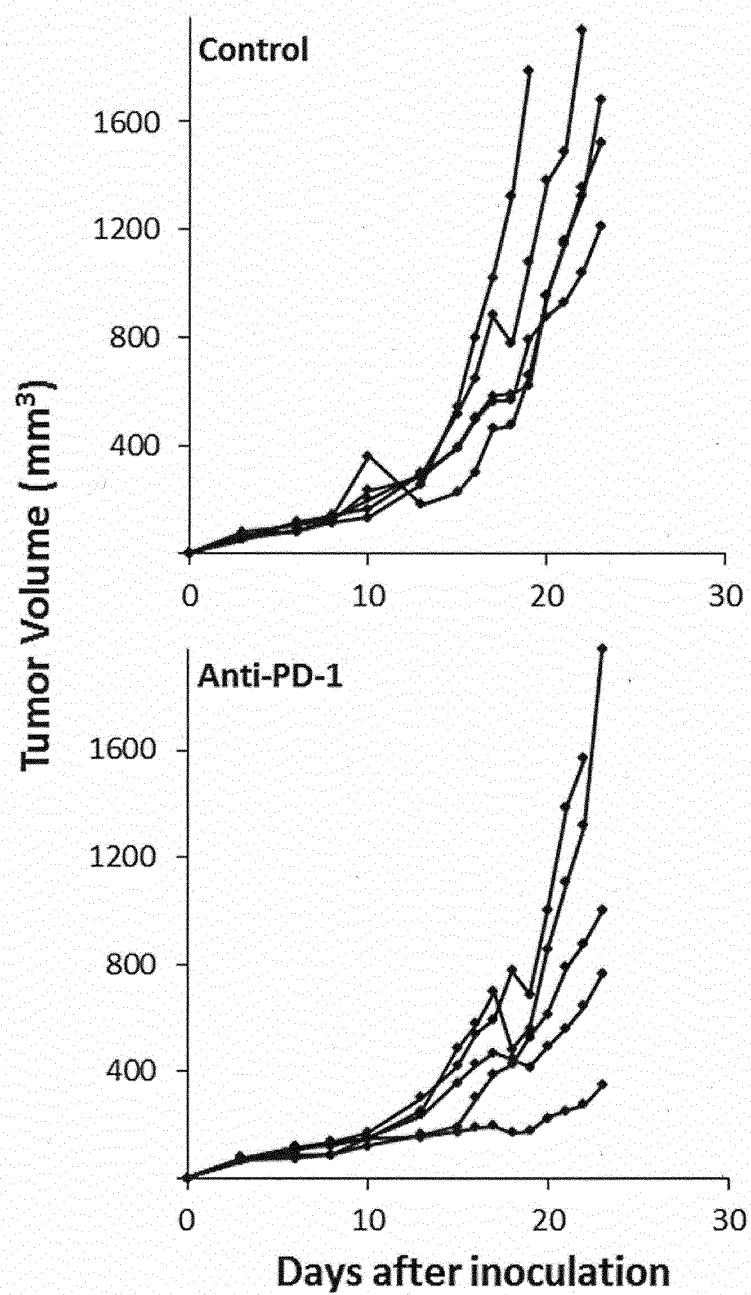


FIGURE 9 (continued)

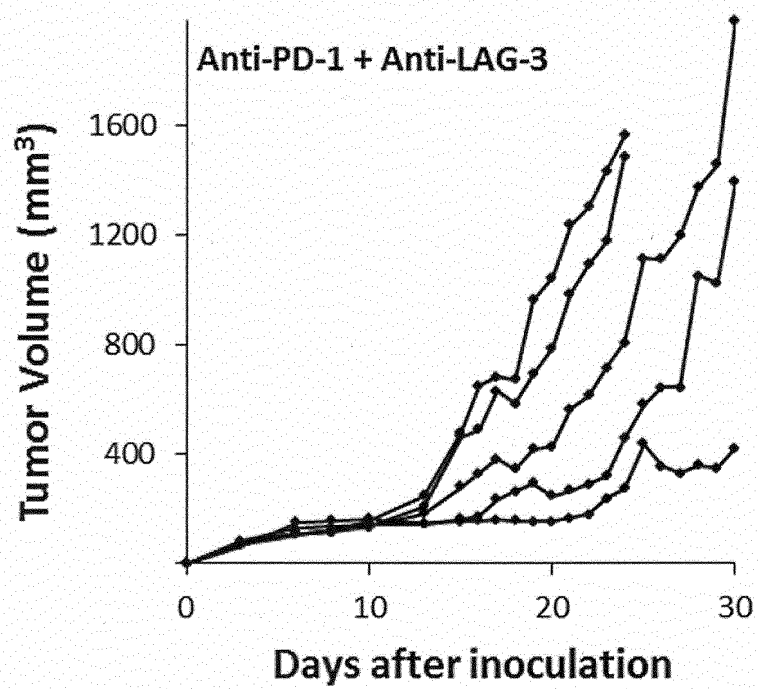


FIGURE 9 (continued)

C

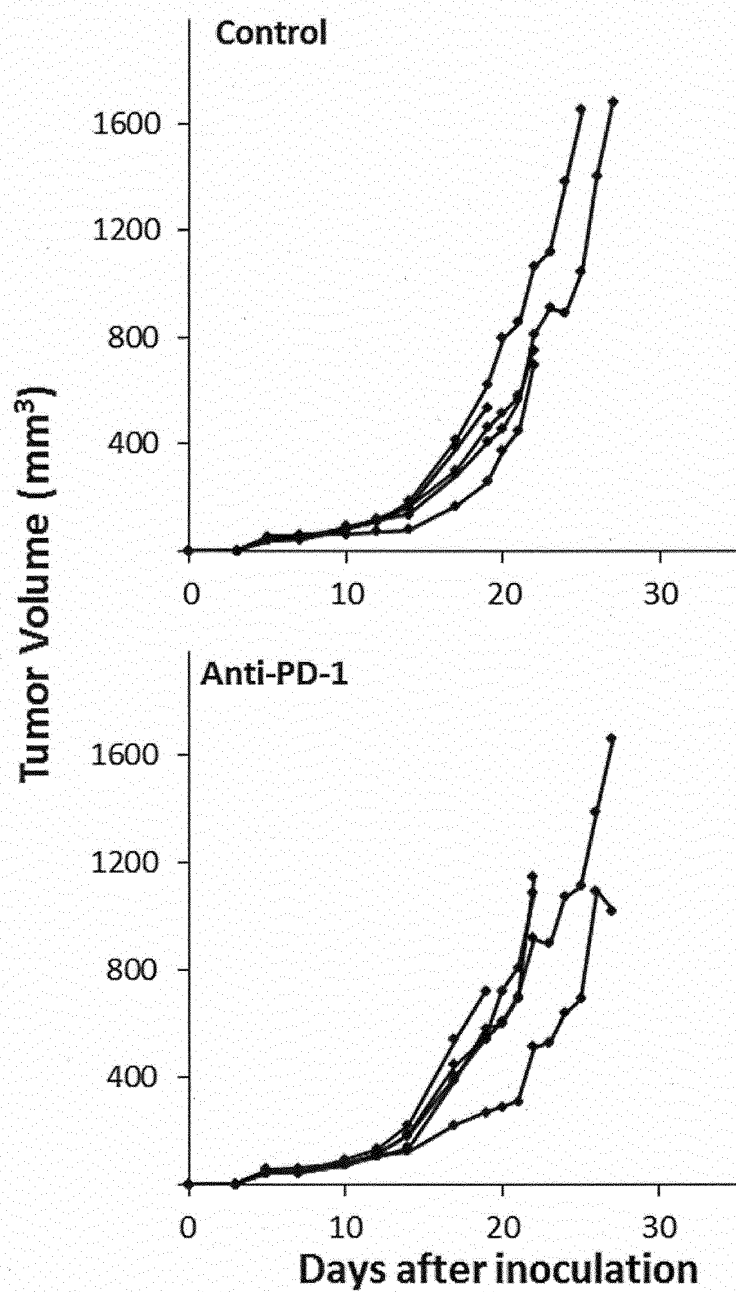


FIGURE 9 (continued)

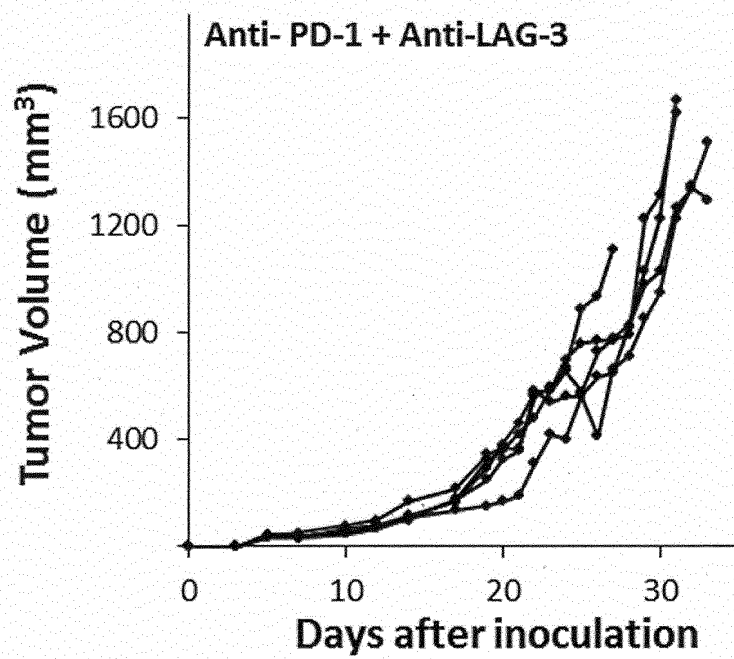


FIGURE 9 (continued)

D

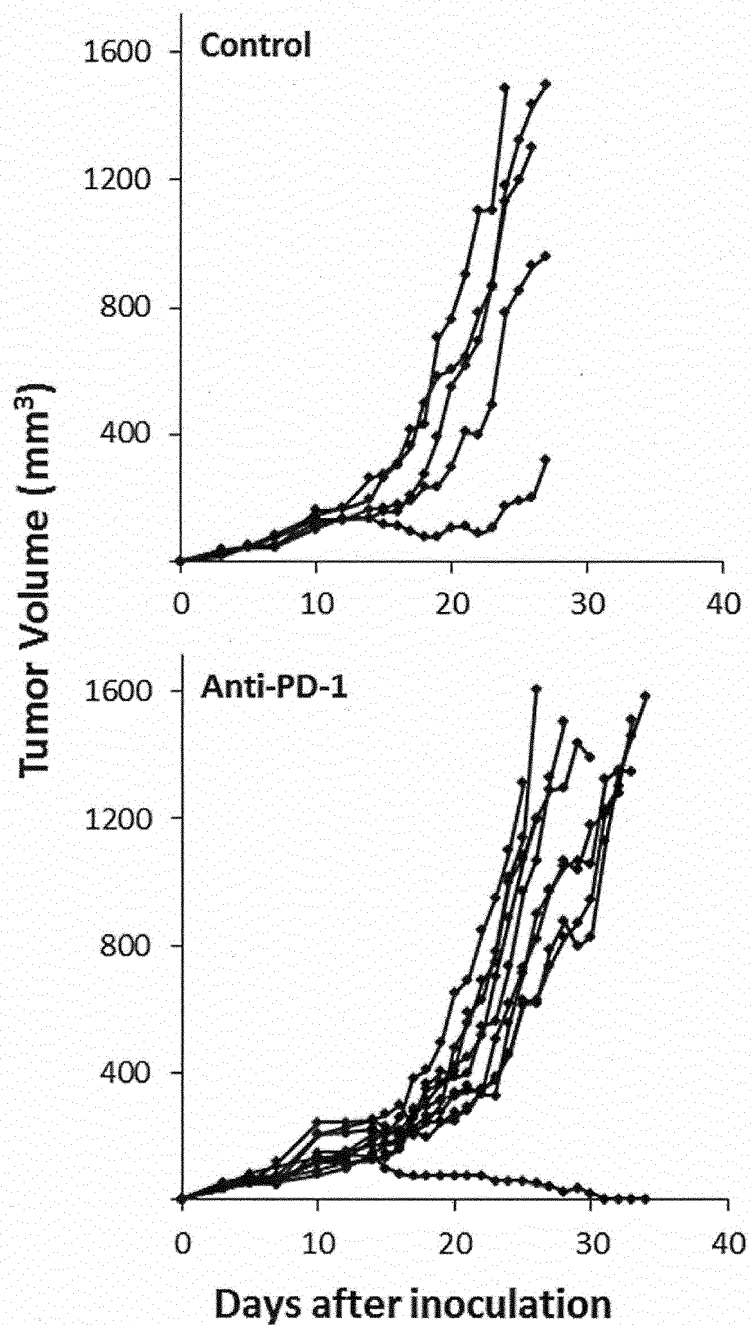


FIGURE 9 (continued)

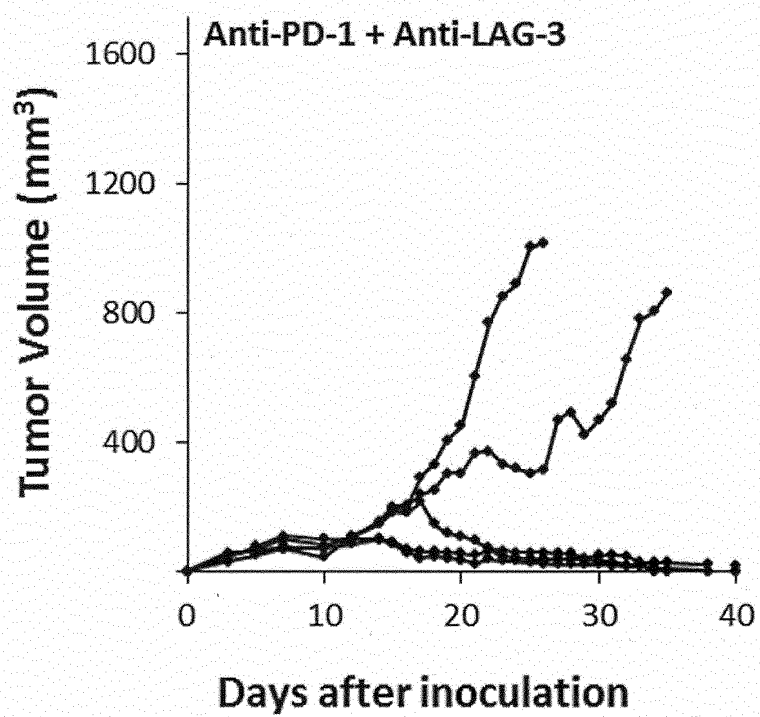


FIGURE 9 (continued)

E

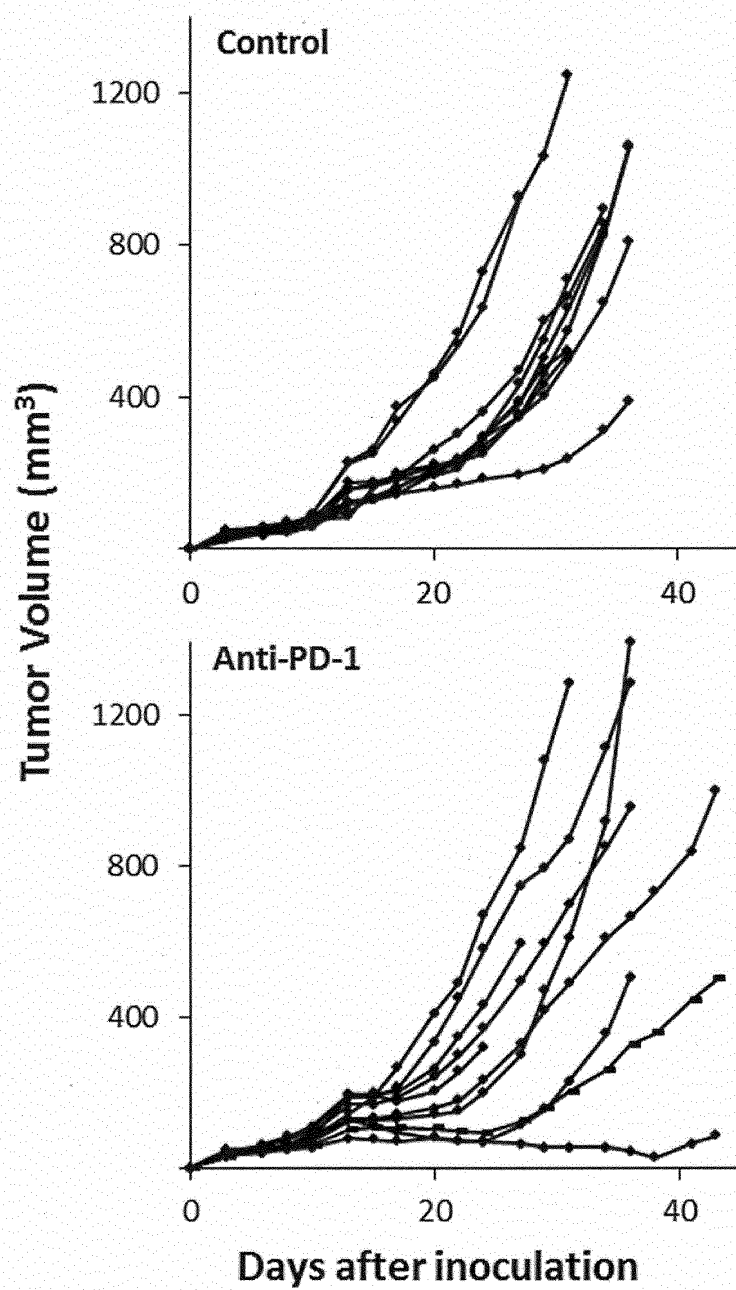


FIGURE 9 (continued)

