Pembrolizumab Light Chain

EIVLTQSPATLSLSPGERATLSCRASKGVSTSGYSYLHWYQQKPGQAPRLLIYLA
SYLESGVPARFSGSGSGTDFTLTISSLEPEDFAVYYCQHSRDLPLTFGGGTKVEIK
RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC
(SEQ ID NO:5).

Pembrolizumab Heavy Chain

QVQLVQSGVEVKKPGASVKVSCKASGYTFTNYYMYWVRQAPGQGLEWMGGI
NPSNGGTNFNEKFKNRVTLTTDSSTTTAYMELKSLQFDDTAVYYCARRDYRFD
MGFDYWGQGTTVTVSSASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTKTYTCNVDHKPSNTK
VDKRVESKYGPPCPPCPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQE
DPEVQFNWYVDGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKC
KVSNKGLPSSIEKTISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDI
AVEWESNGQPENNYKTTPPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMHE
ALHNHYTQKSLSLSLGK (SEQ ID NO:10),

FIG. 1

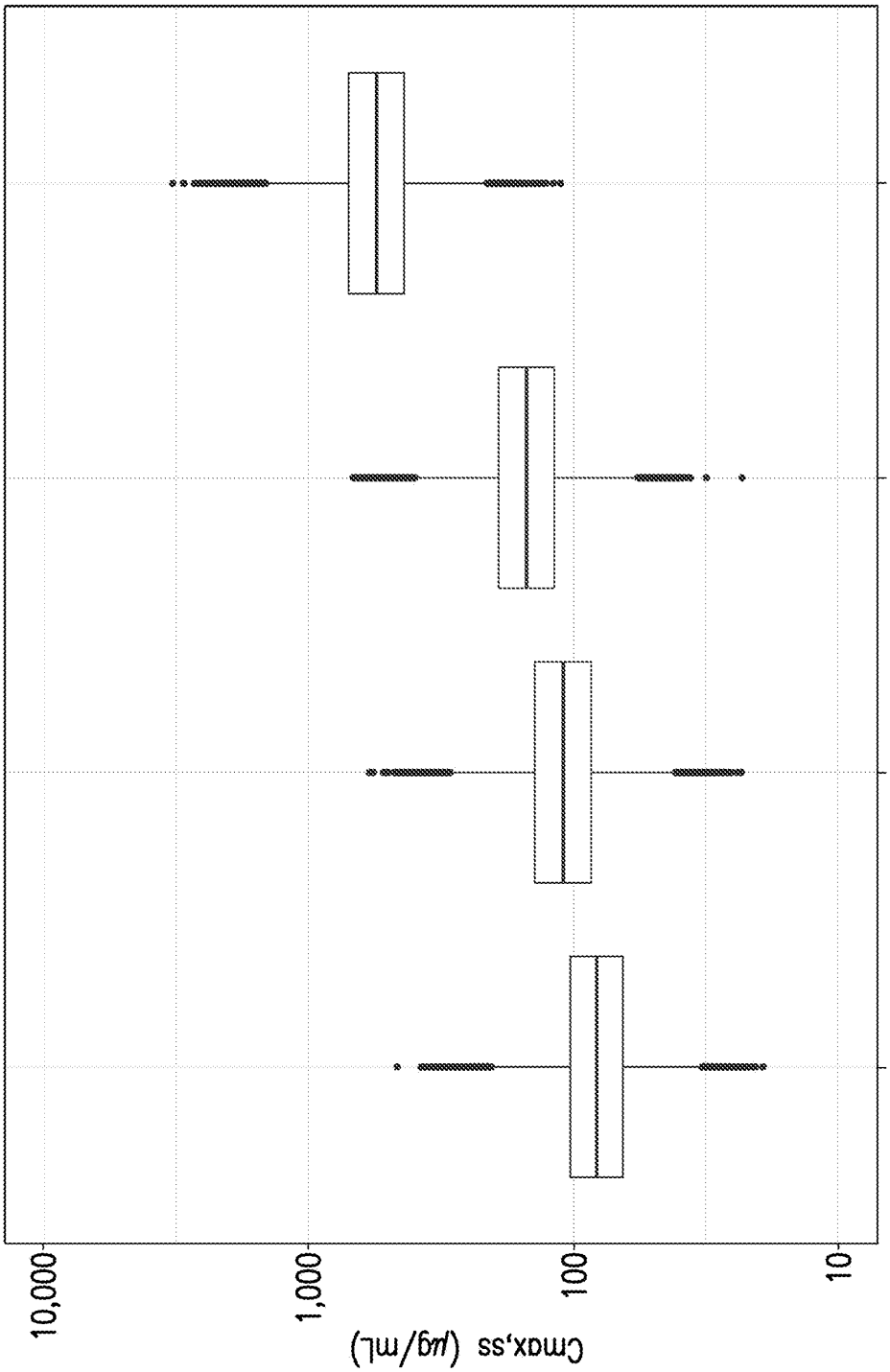

10,000
1,000
100
10
Cmax,ss (µg/mL)
2 mpk Q3W
200 mg Q3W
400 mg Q6W
10 mpk Q2W

FIG. 2

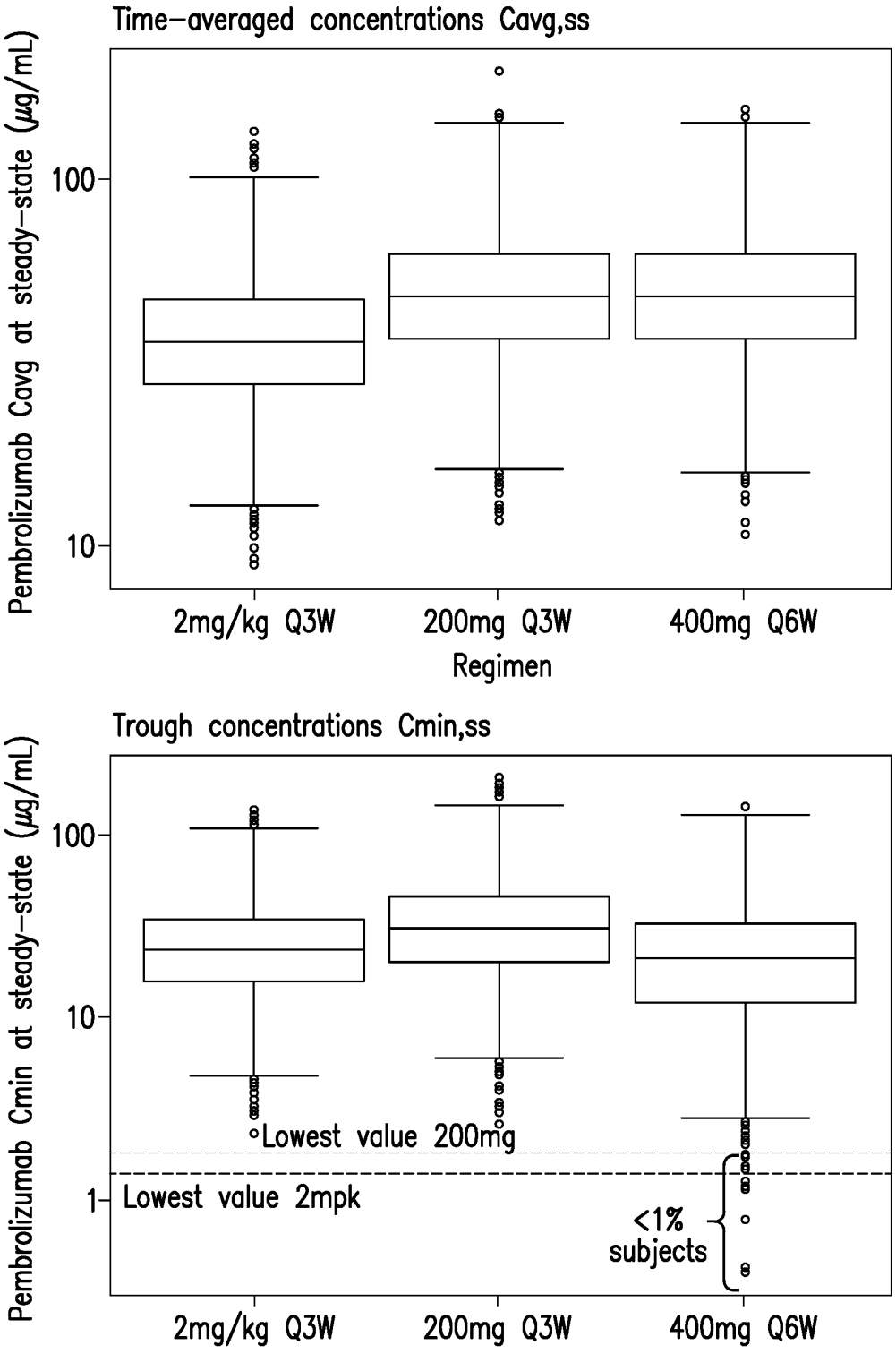

Time-averaged concentrations Cavg,ss
Pembrolizumab Cavg at steady-state (μg/mL)
100
10
2mg/kg Q3W
200mg Q3W
400mg Q6W
Regimen
Trough concentrations Cmin,ss
Pembrolizumab Cmin at steady-state (μg/mL)
100
10
1
Lowest value 200mg
Lowest value 2mpk
<1%
subjects
2mg/kg Q3W
200mg Q3W
400mg Q6W

FIG.3

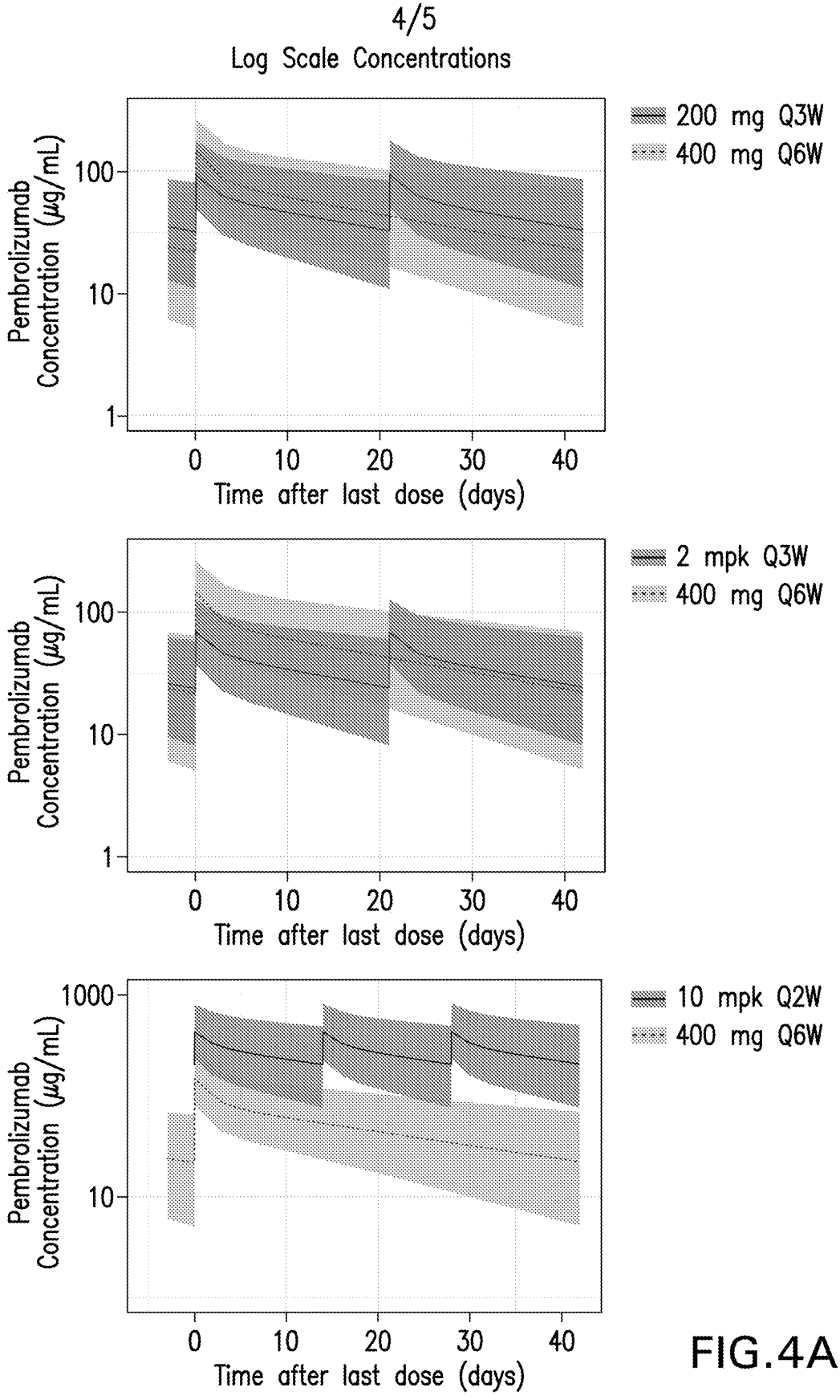

Log Scale Concentrations
Pembrolizumab Concentration (µg/mL)
100
10
1
0
10
20
30
40
Time after last dose (days)
200 mg Q3W
400 mg Q6W
Pembrolizumab Concentration (µg/mL)
100
10
1
0
10
20
30
40
Time after last dose (days)
2 mpk Q3W
400 mg Q6W
Pembrolizumab Concentration (µg/mL)
1000
10
0
10
20
30
40
Time after last dose (days)
10 mpk Q2W
400 mg Q6W

FIG.4A

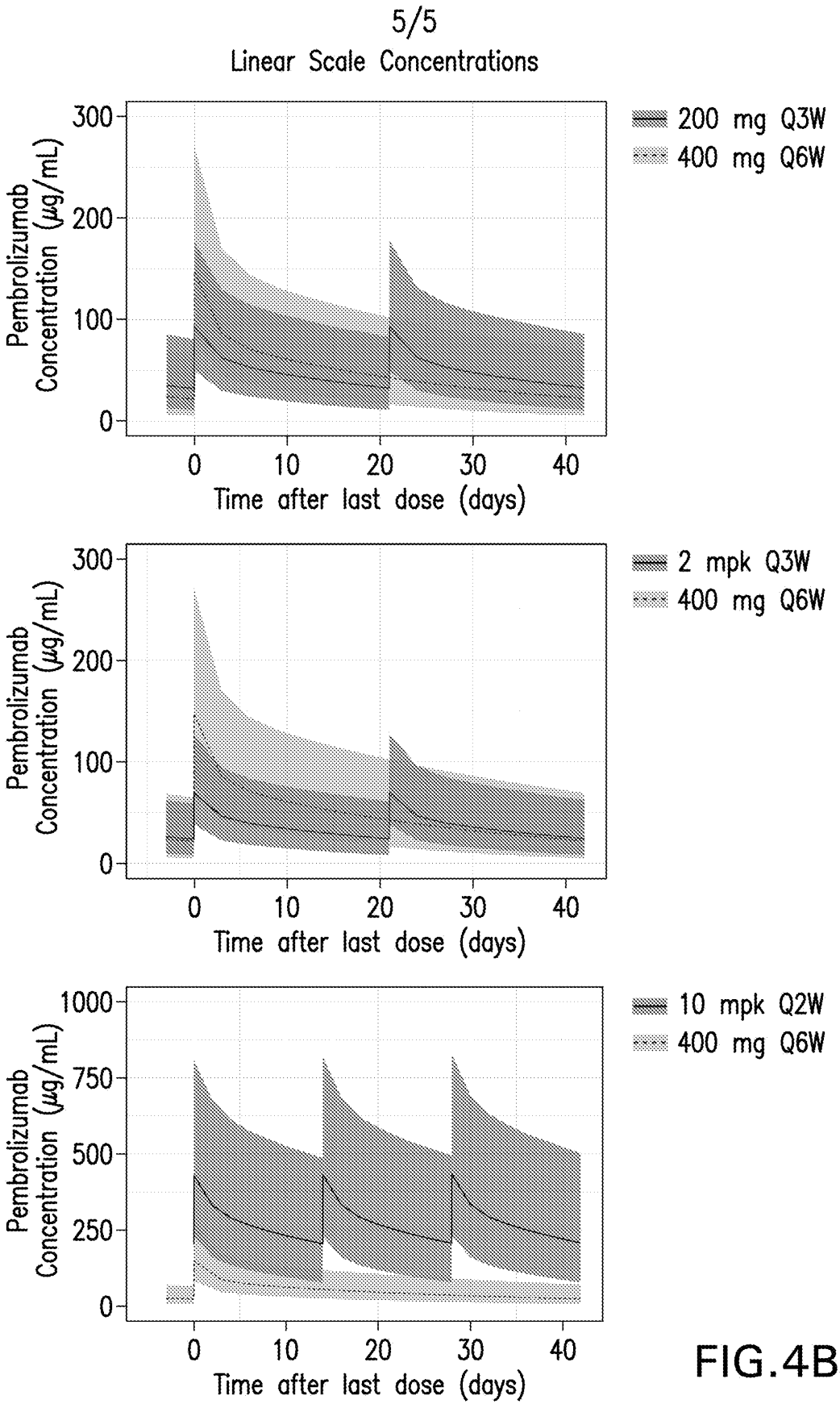

Linear Scale Concentrations
Pembrolizumab Concentration (µg/mL)
300
200
100
0
0
10
20
30
40
Time after last dose (days)
200 mg Q3W
400 mg Q6W
Pembrolizumab Concentration (µg/mL)
300
200
100
0
0
10
20
30
40
Time after last dose (days)
2 mpk Q3W
400 mg Q6W
Pembrolizumab Concentration (µg/mL)
1000
750
500
250
0
0
10
20
30
40
Time after last dose (days)
10 mpk Q2W
400 mg Q6W

FIG.4B