

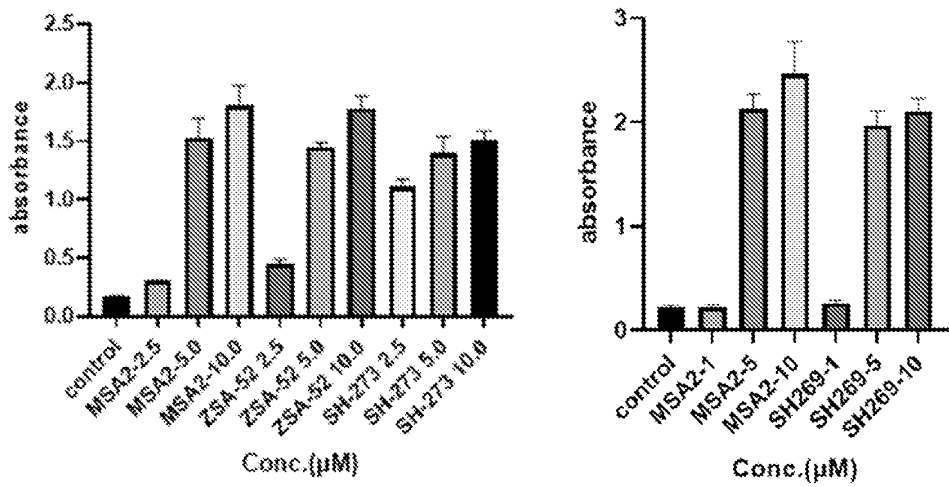


FIG. 1

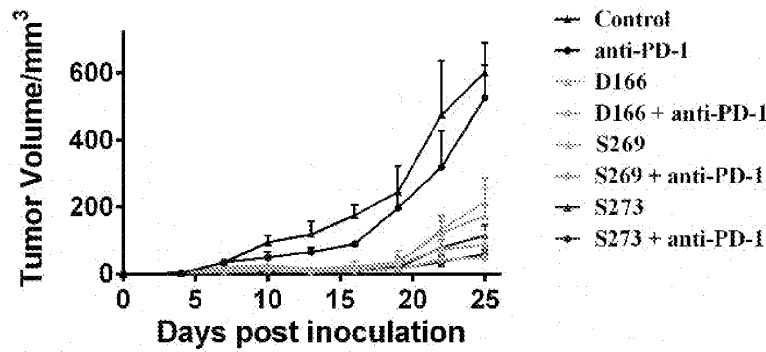


FIG. 2

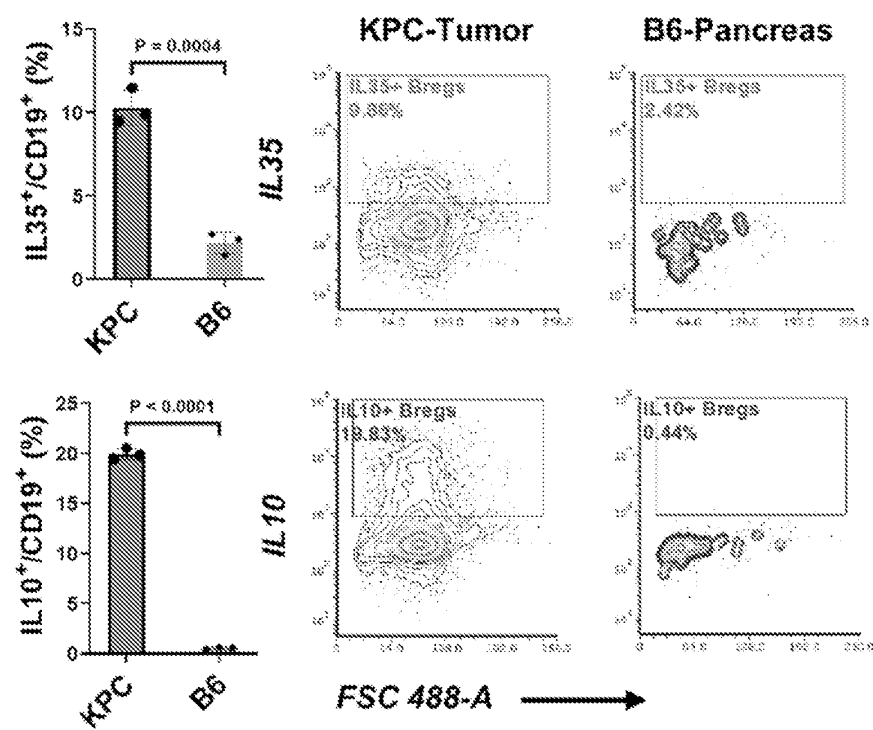
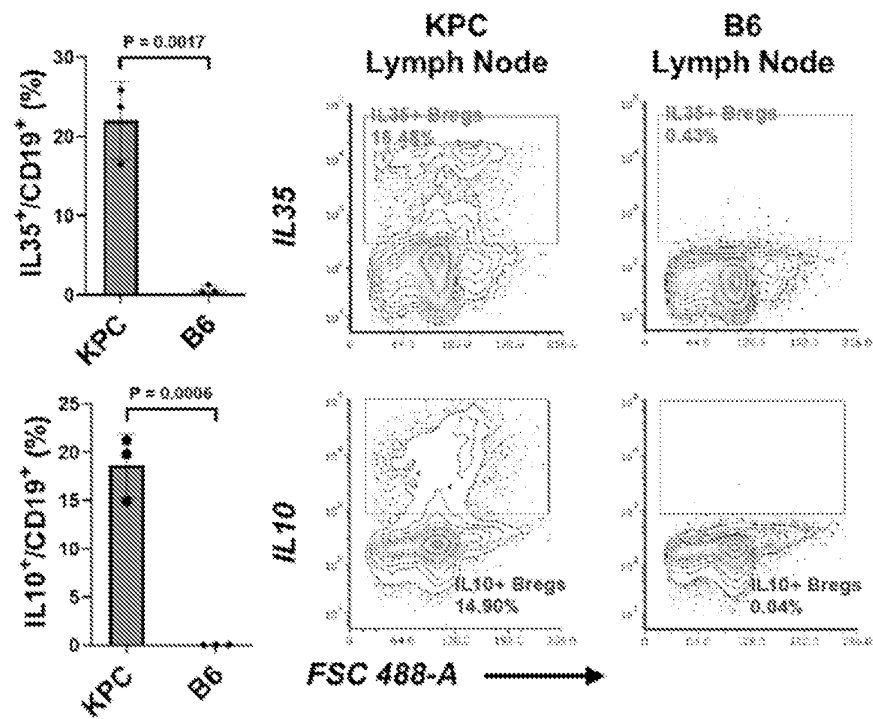


FIG. 3A



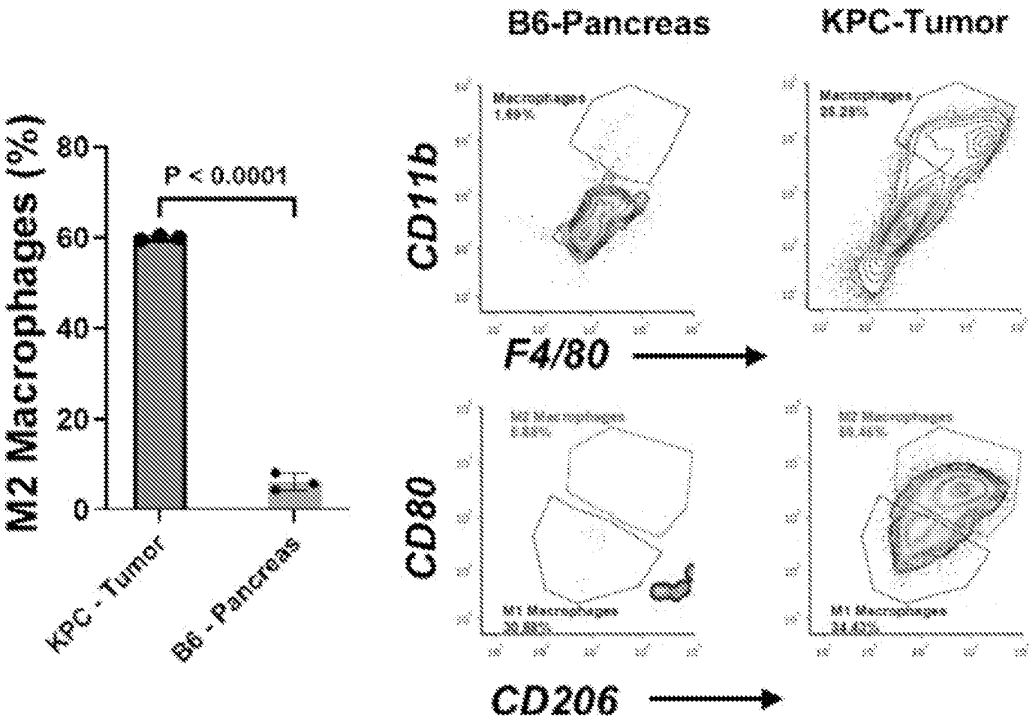


FIG. 3C

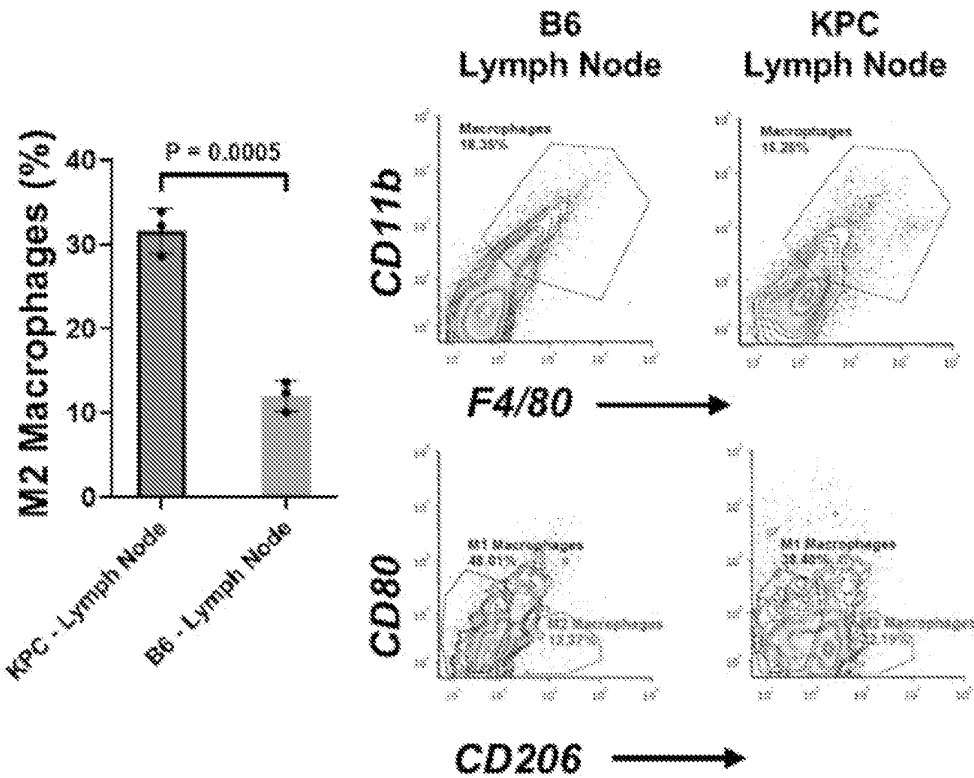


FIG. 3D

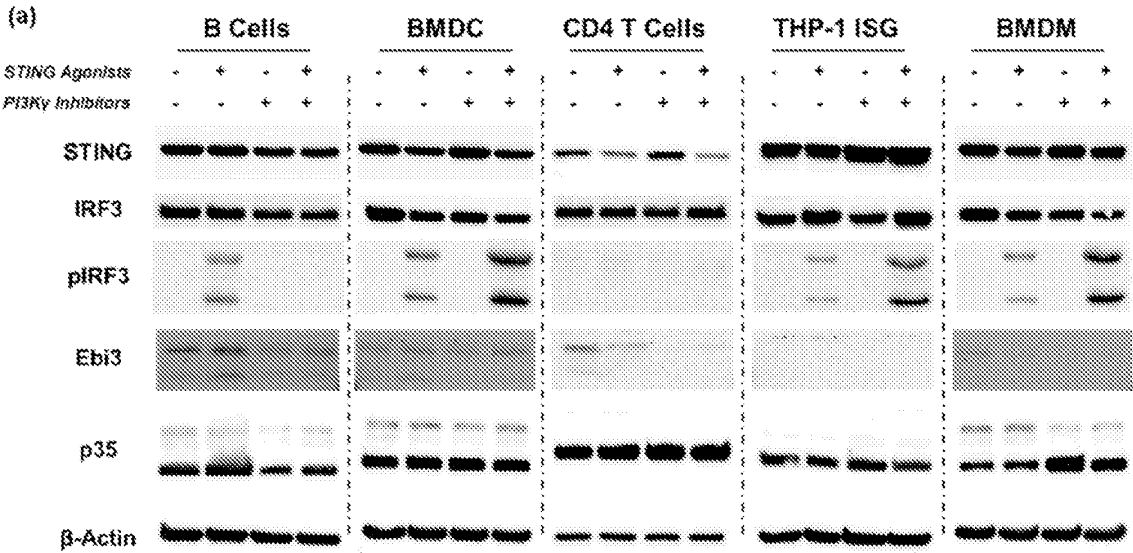


FIG. 4A

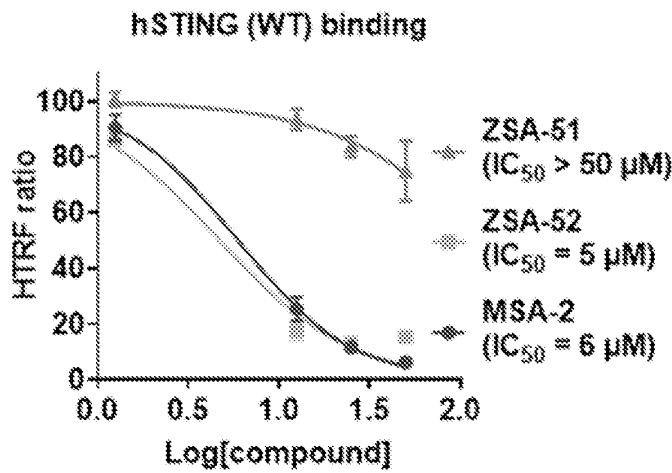


FIG. 4B

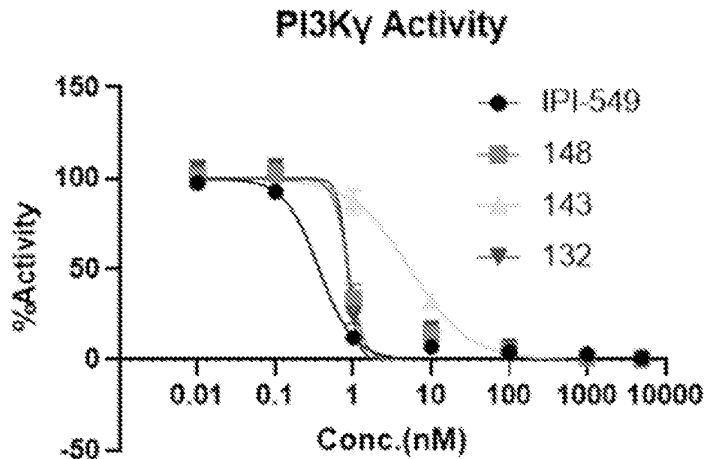


FIG. 4C

B Cells

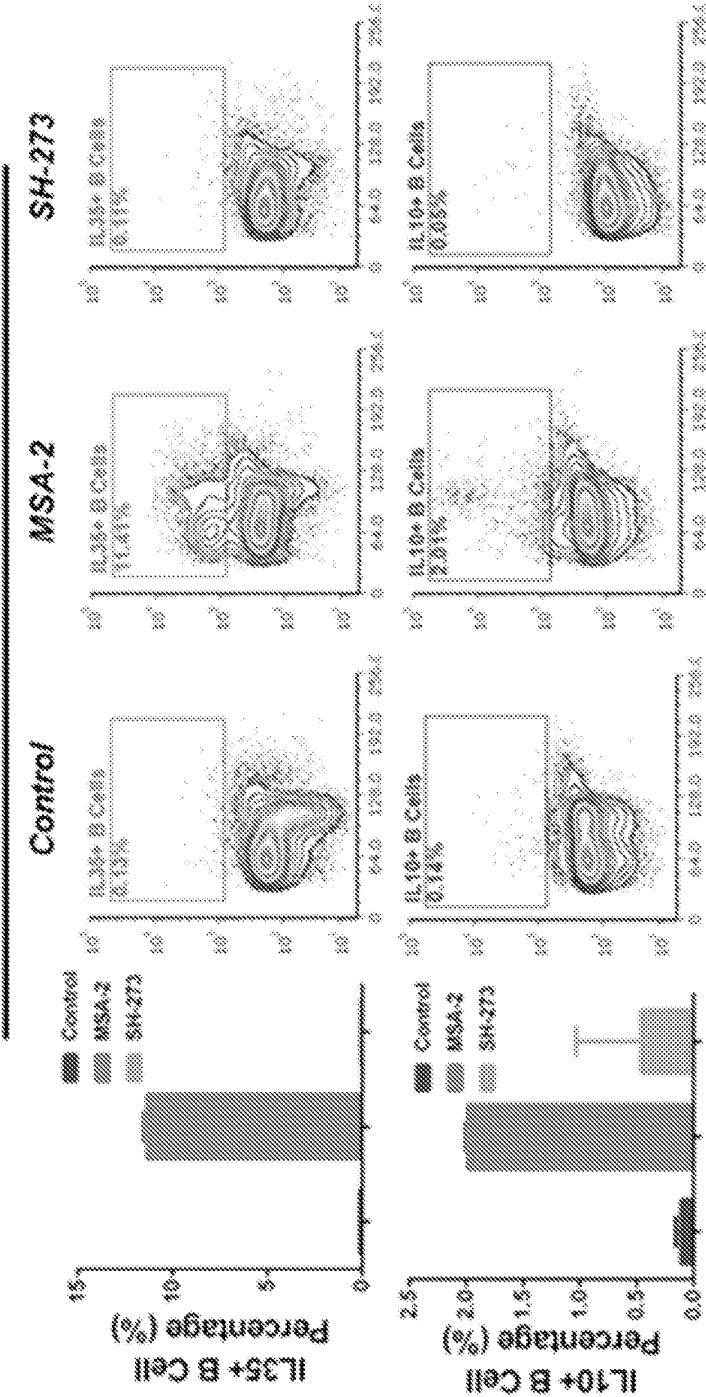


FIG. 4D

Tmem173^{-/-} B Cells

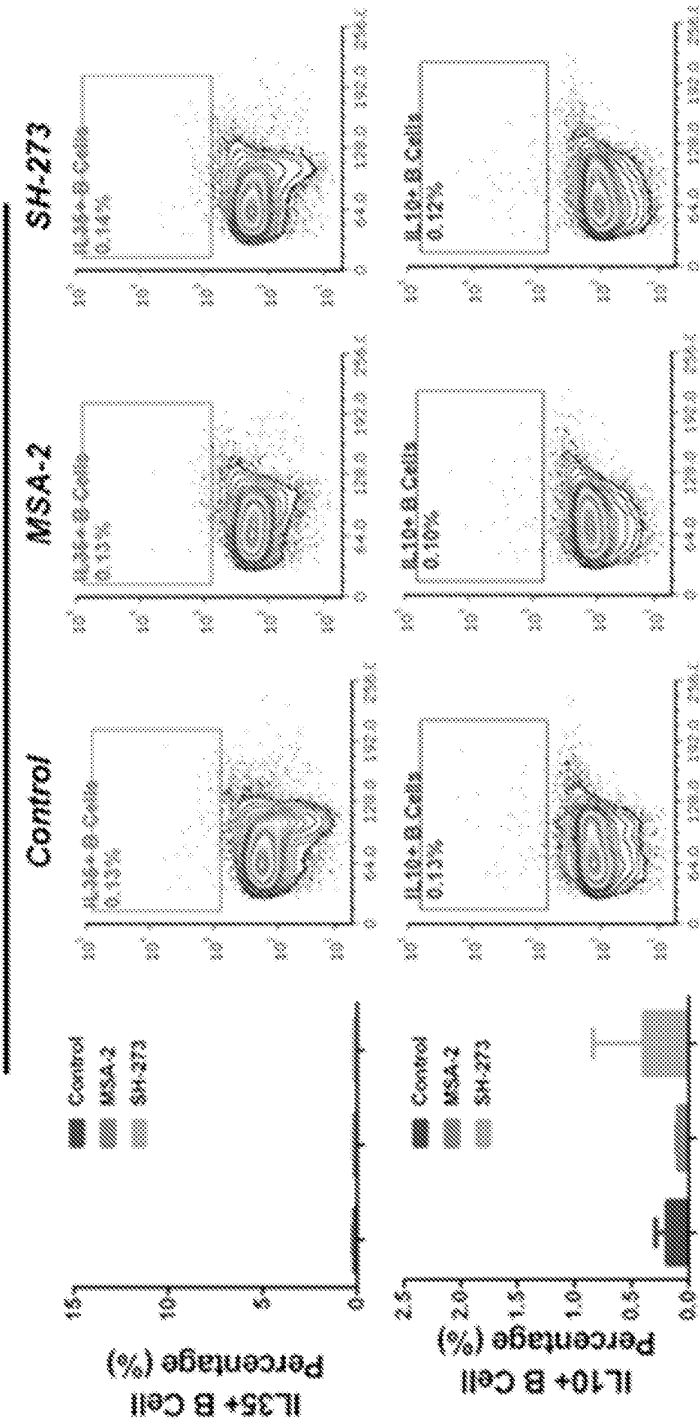


FIG. 4E

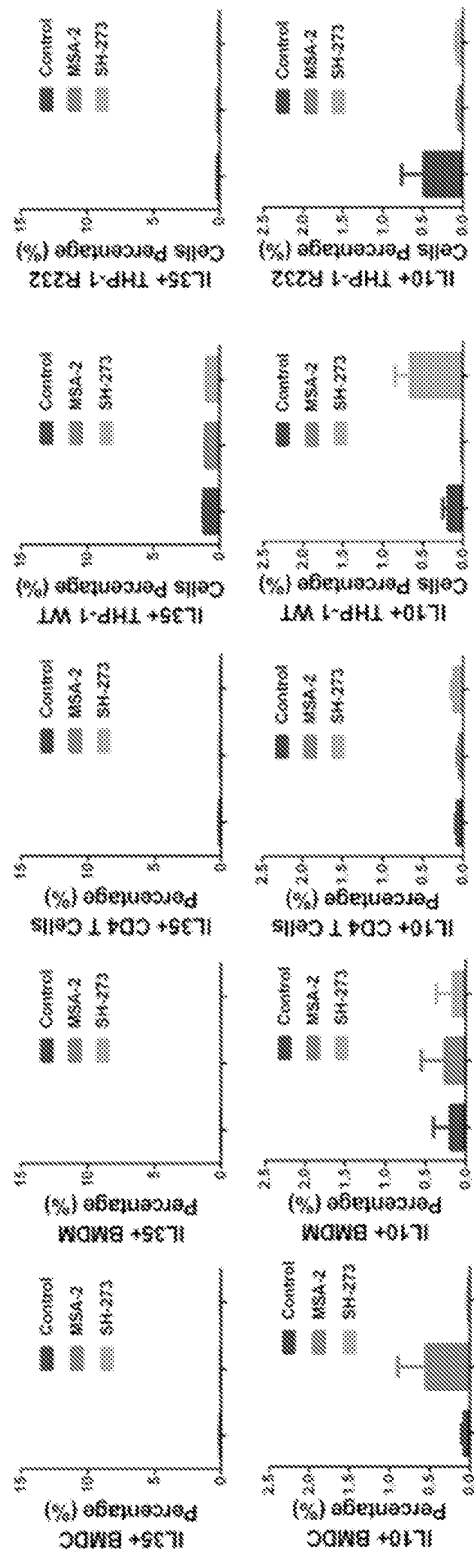
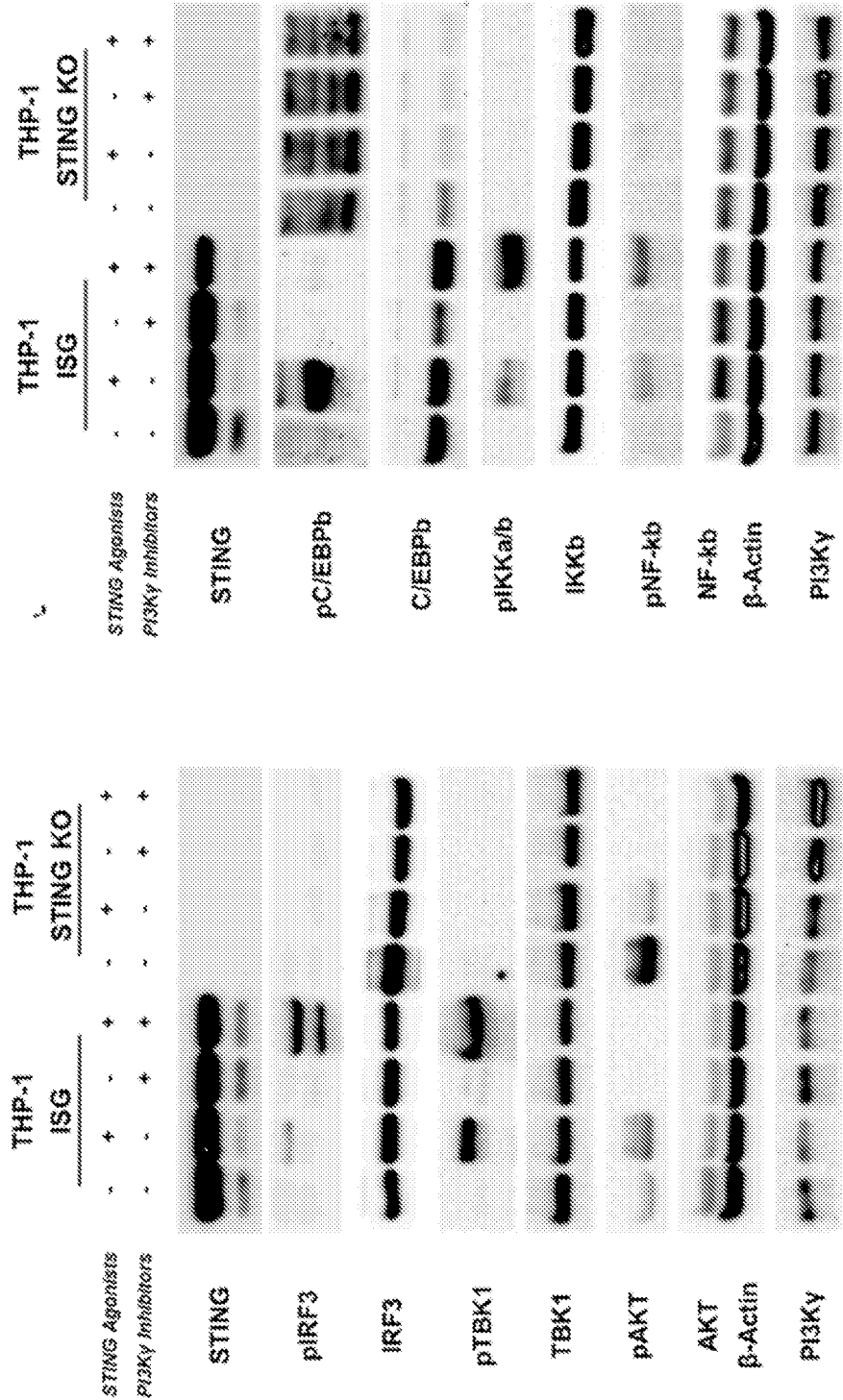


FIG. 4F



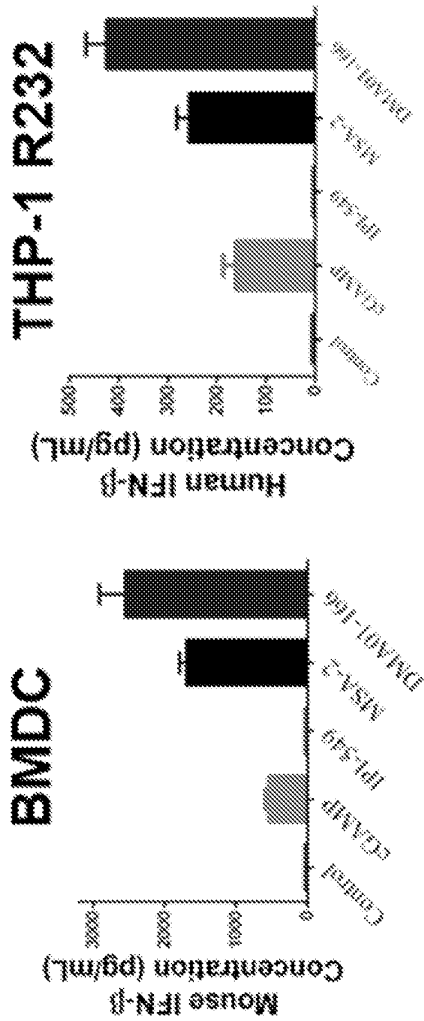


FIG. 5D

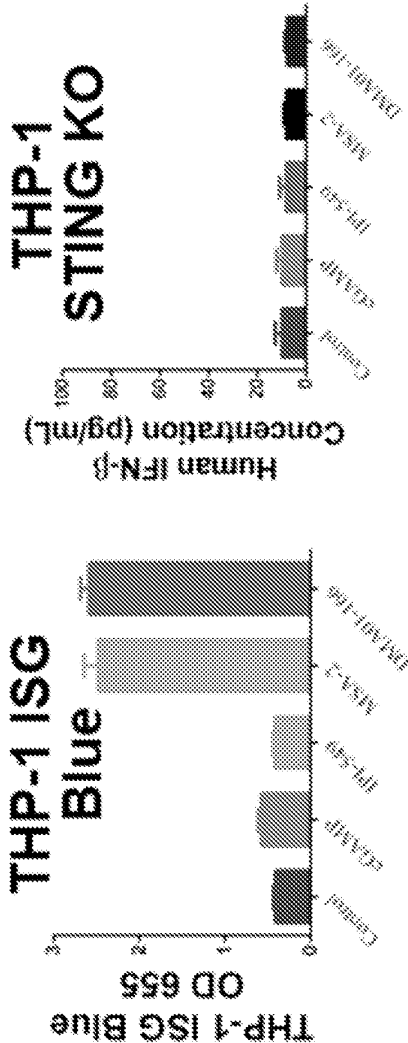


FIG. 5E

FIG. 5F

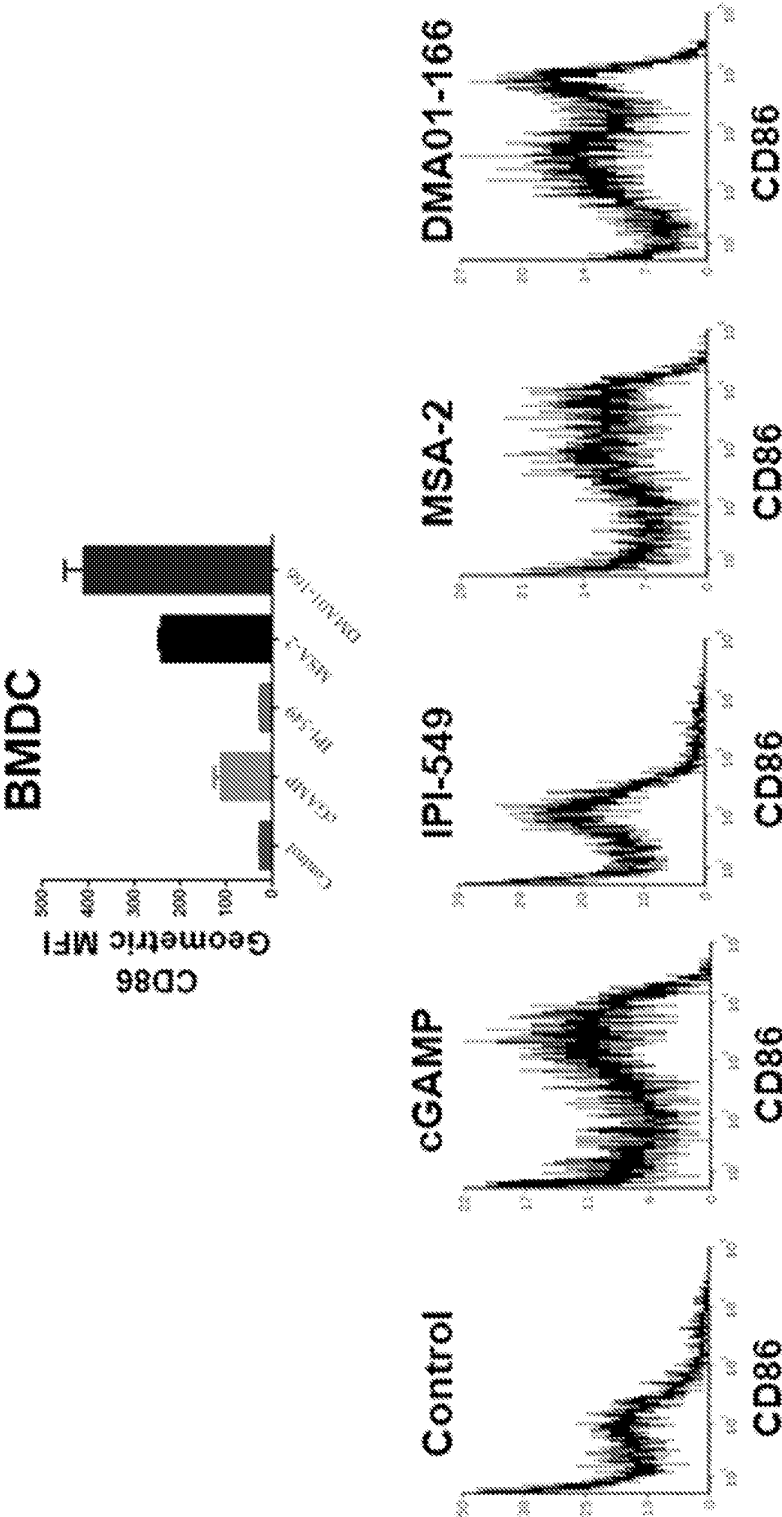


FIG. 5G

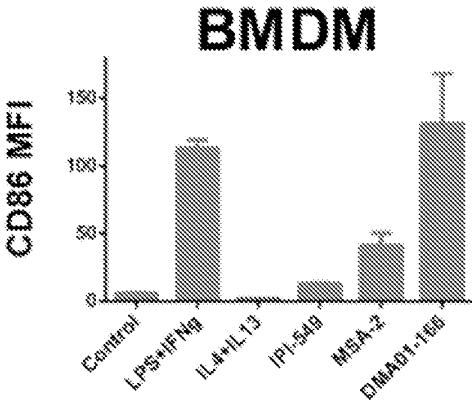


FIG. 5H

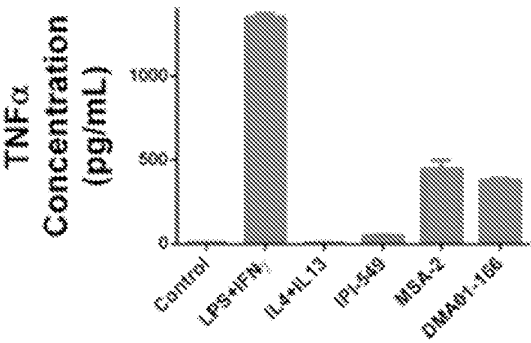


FIG. 5I

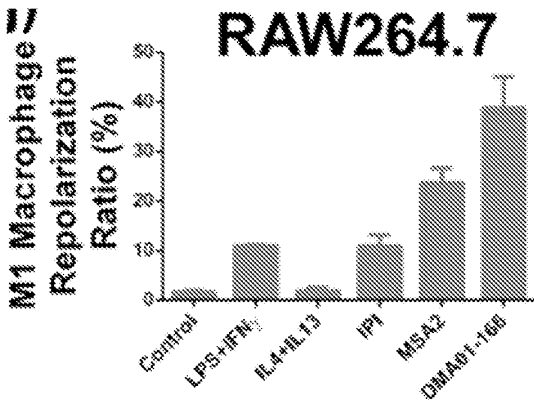


FIG. 5J

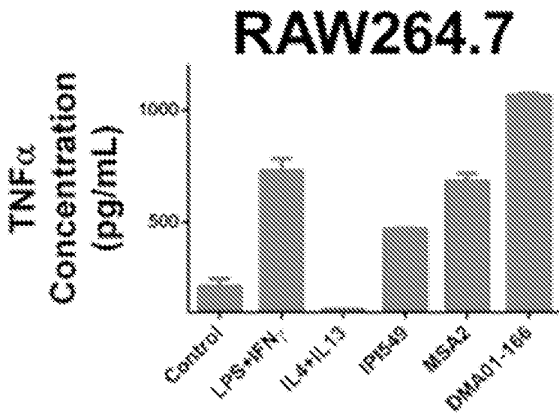


FIG. 5K

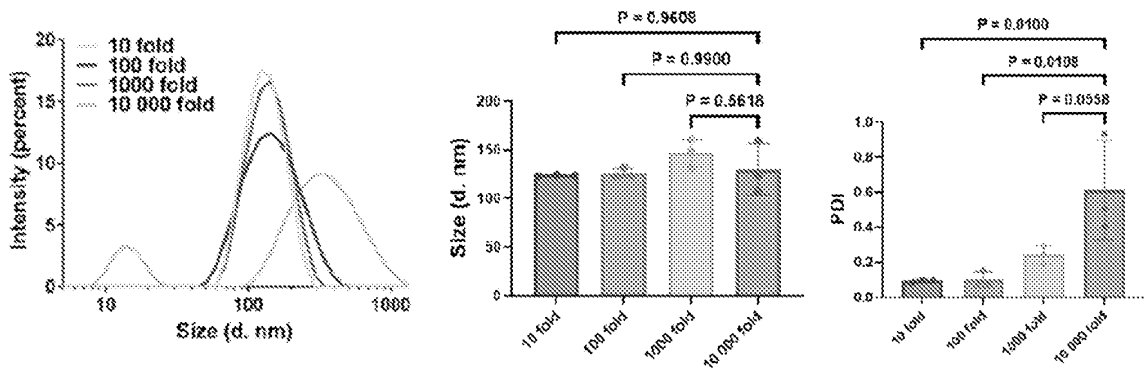


FIG. 6A

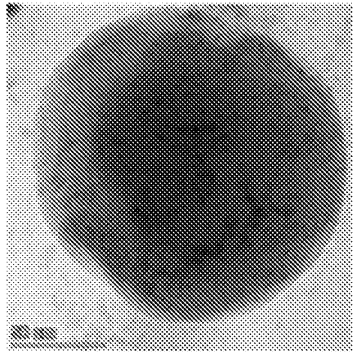


FIG. 6B

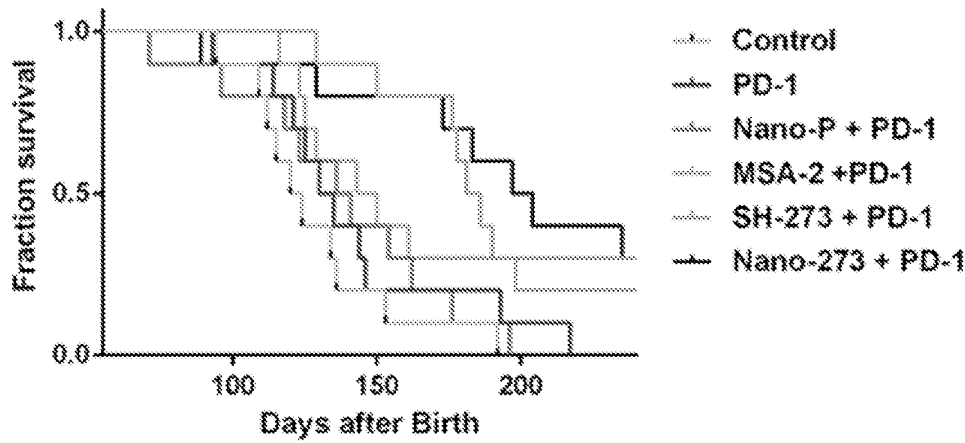


FIG. 6C

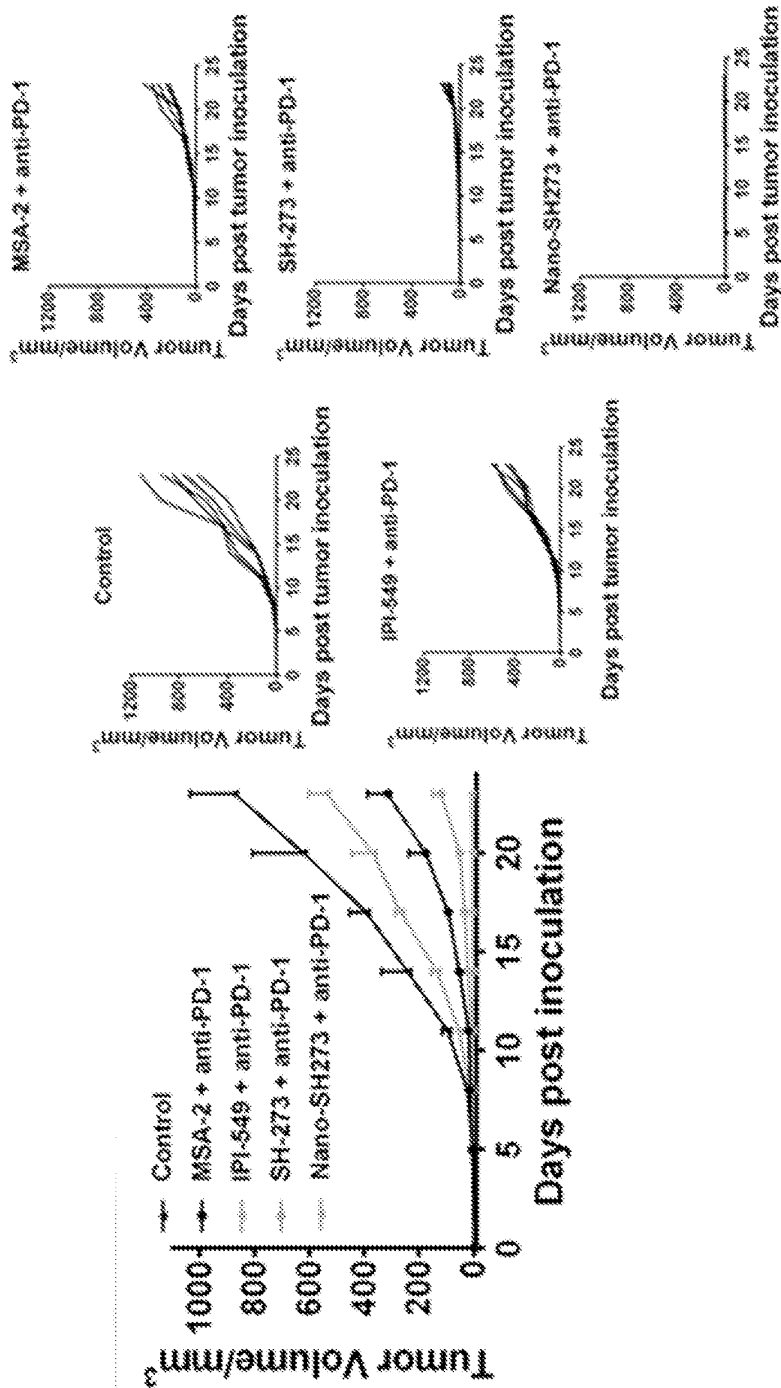


FIG. 6D

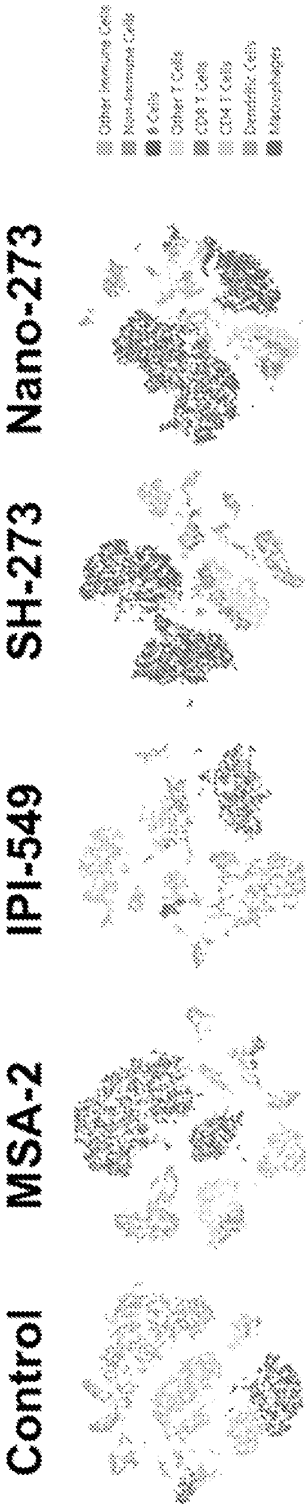


FIG. 6E

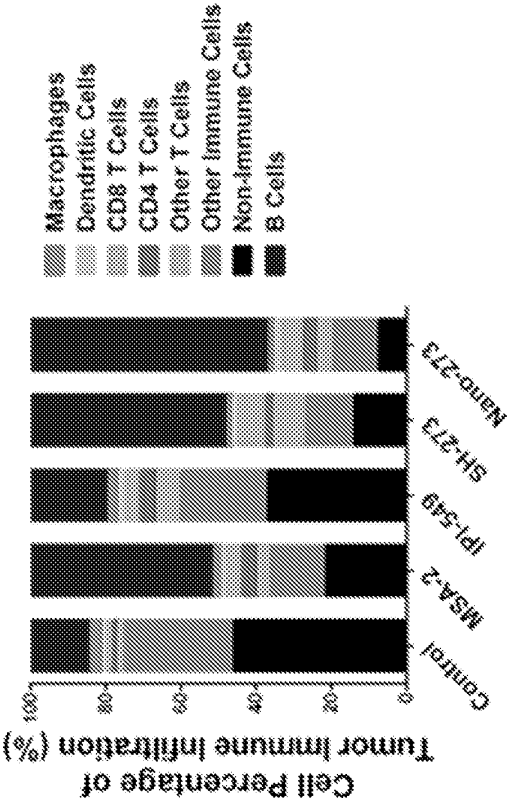
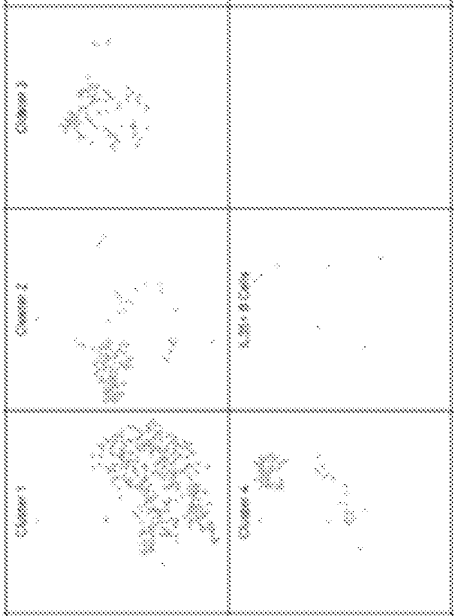


FIG. 6F

IPI-549



Control

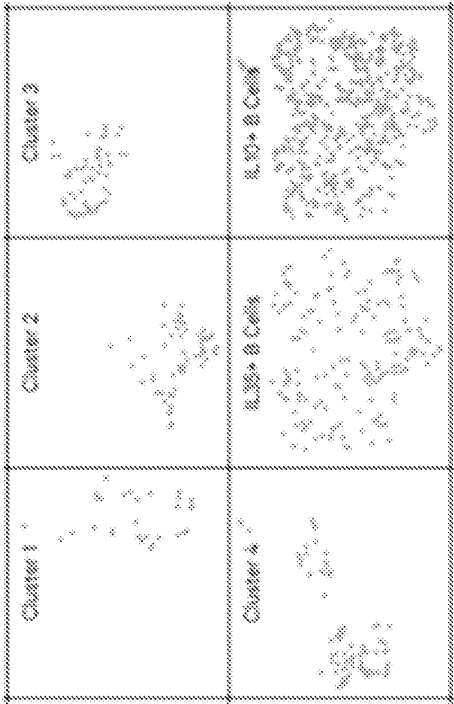


FIG. 6G

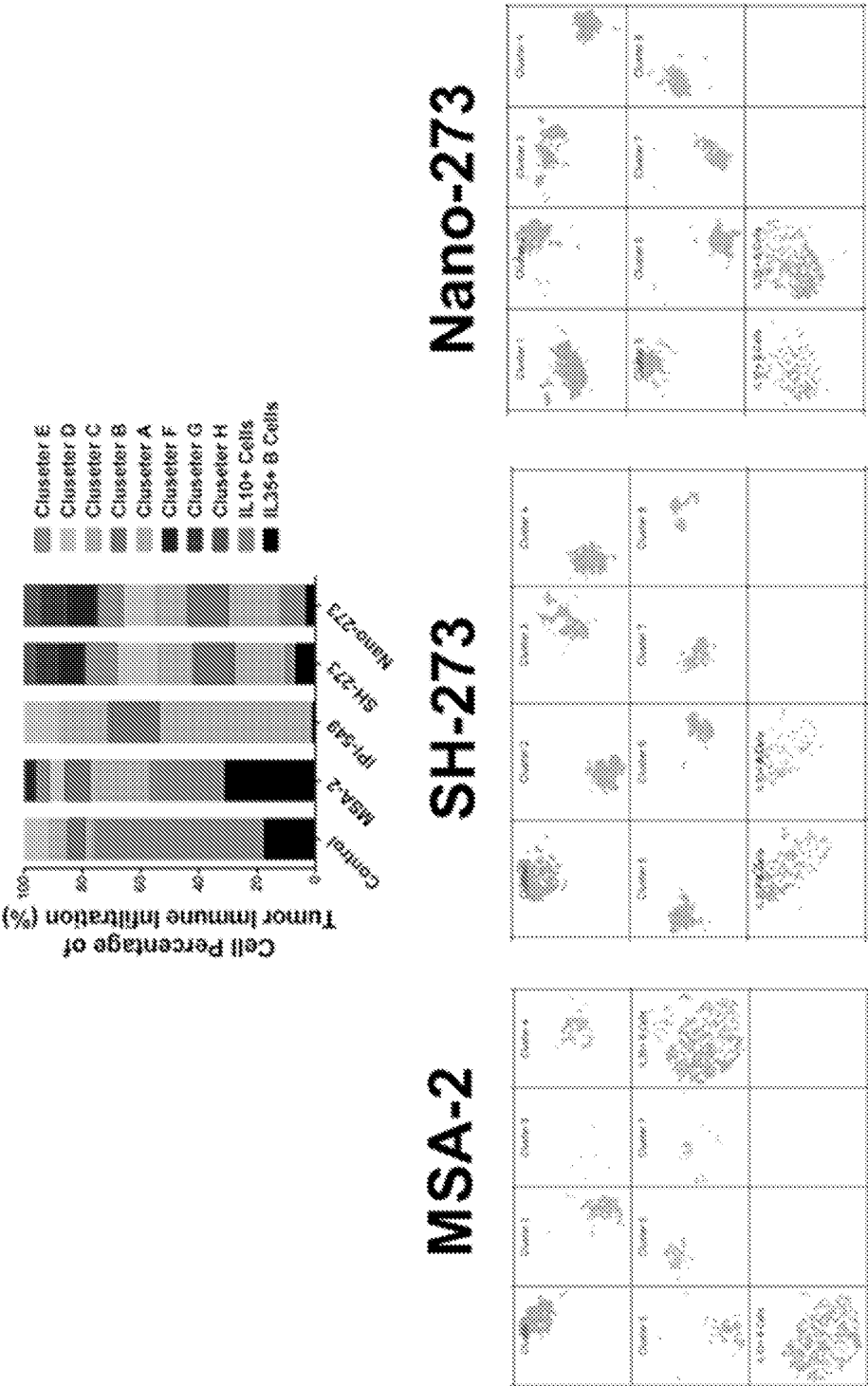


FIG. 6H

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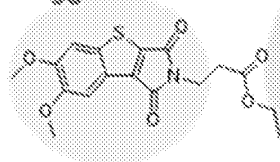
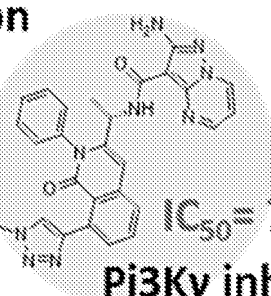
STING activation $IC_{50} = 100 \text{ nM}$ Exact Mass: 852.24
SH-273 $IC_{50} = 7 \text{ nM}$ **PI3Ky inhibition**

FIG. 7A

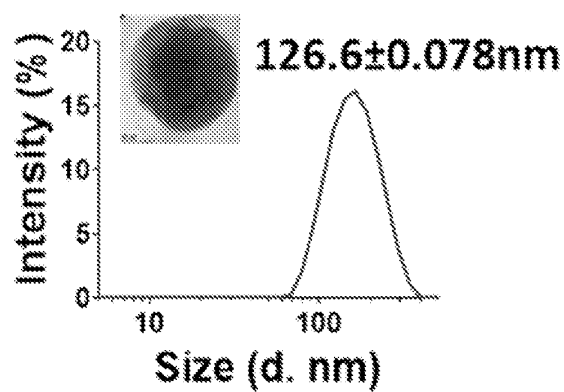


FIG. 7B

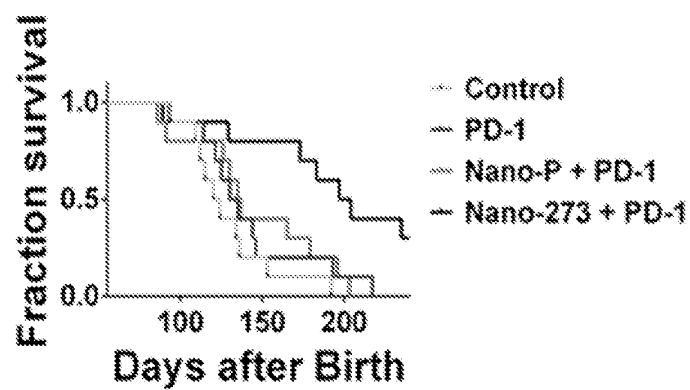


FIG. 7C

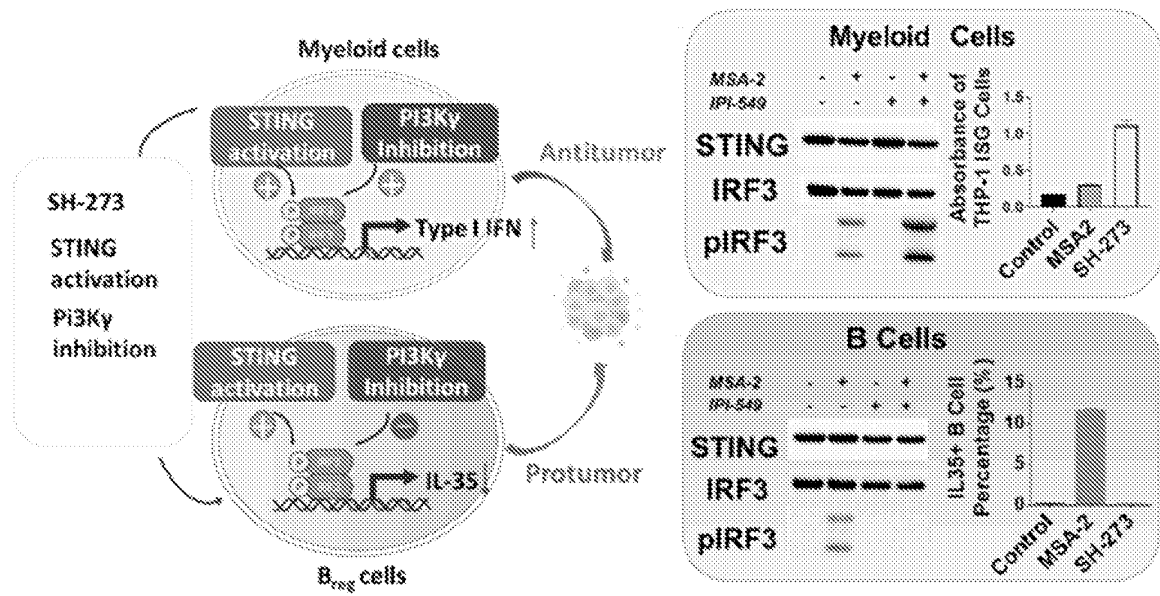


FIG. 8

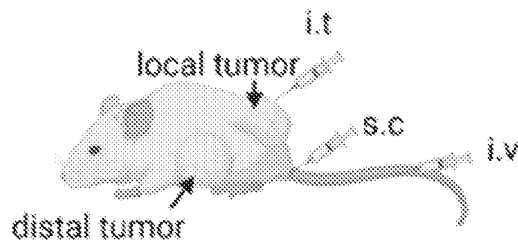


FIG. 9A

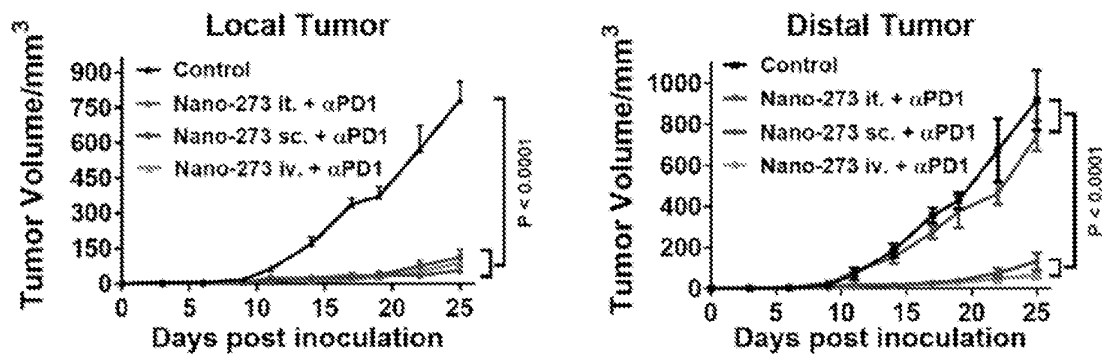


FIG. 9B

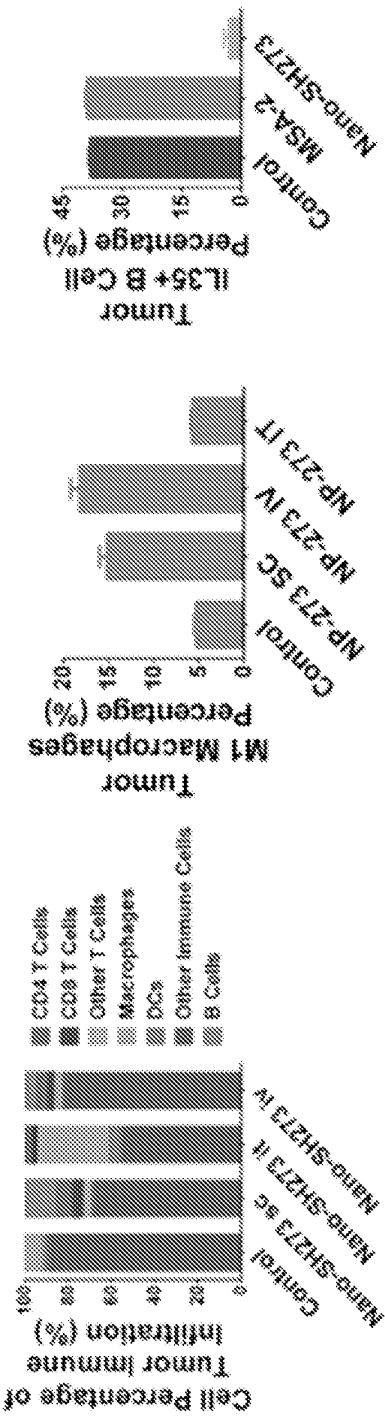


FIG. 9C

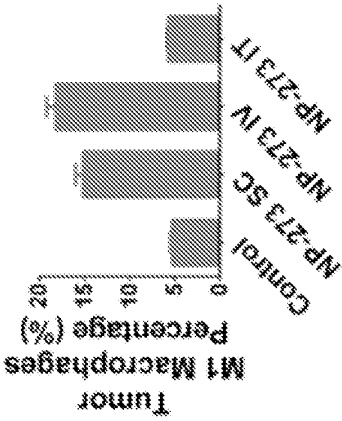


FIG. 9D

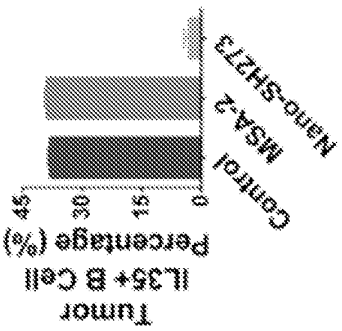


FIG. 9E

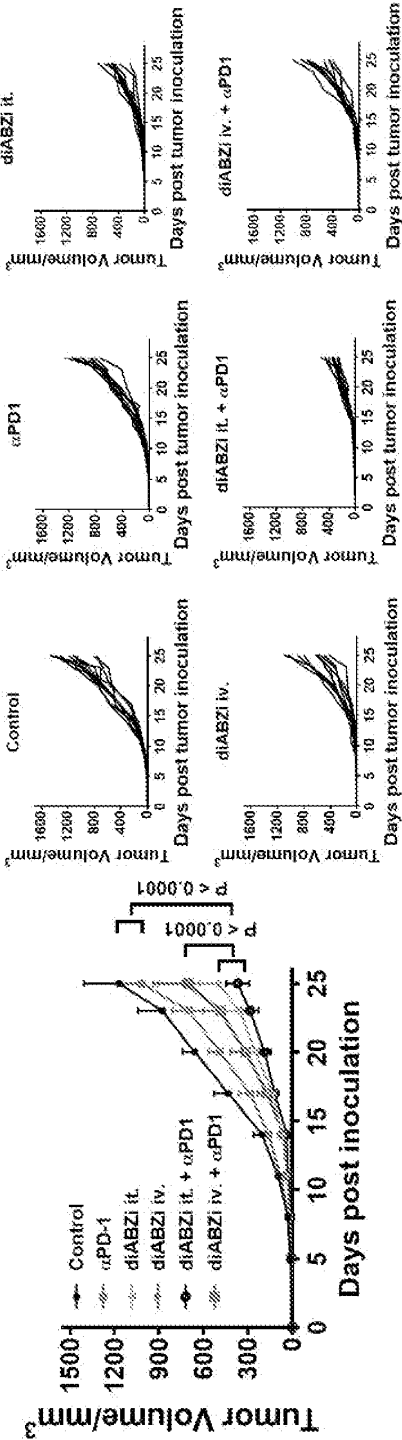


FIG. 10A

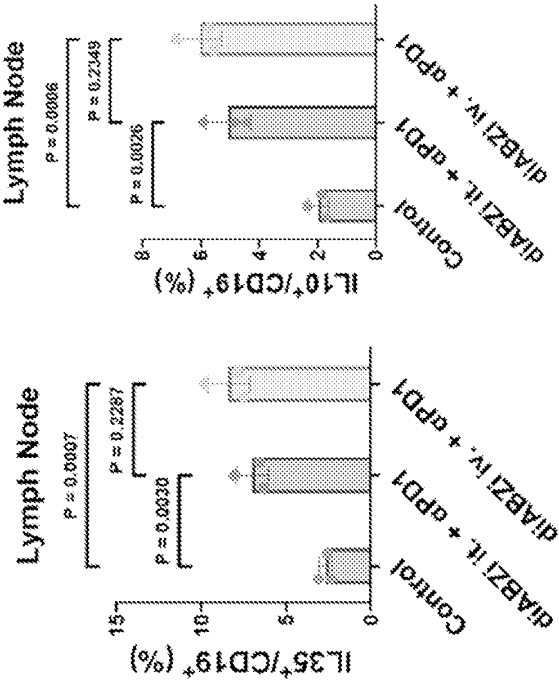


FIG. 10C

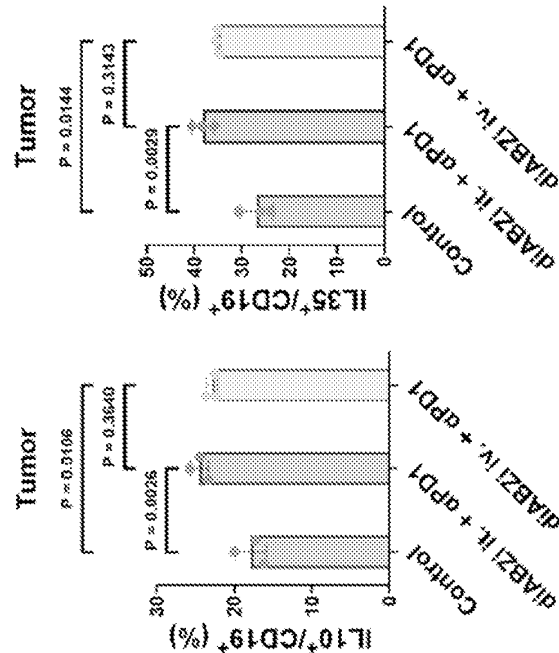
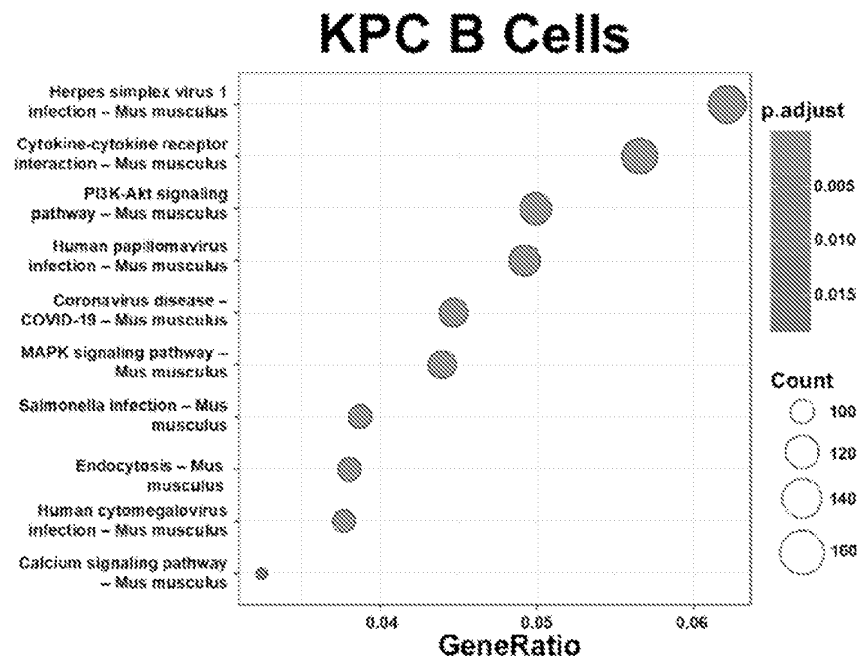
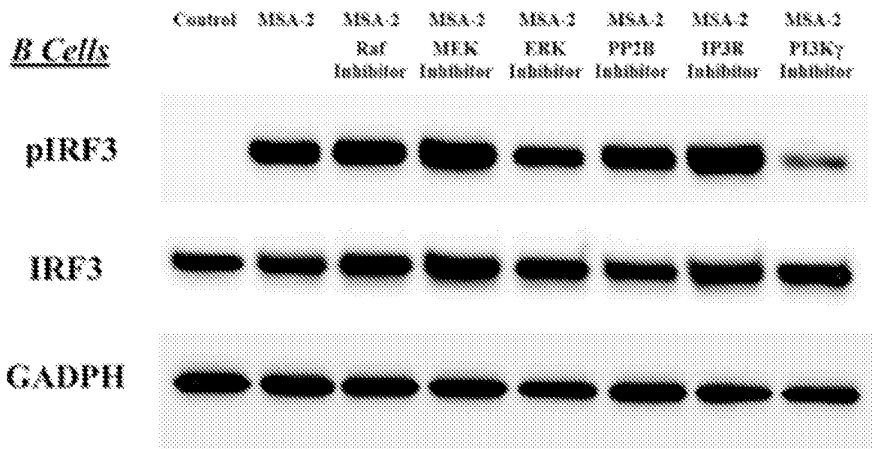


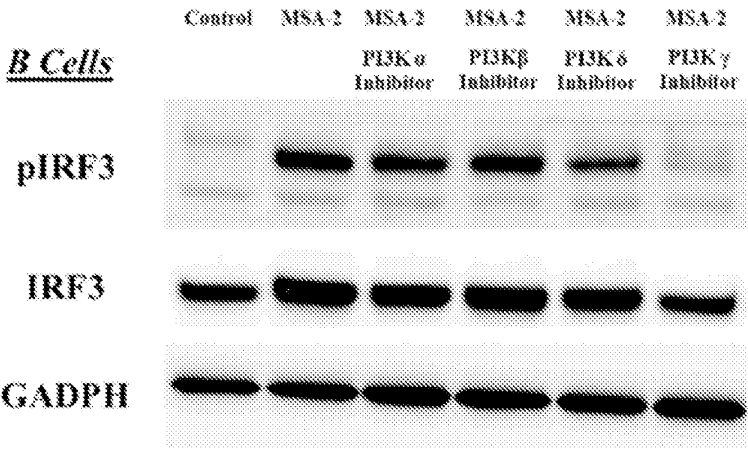
FIG. 10B



FIGS. 11A



FIGS. 11B



FIGS. 11C

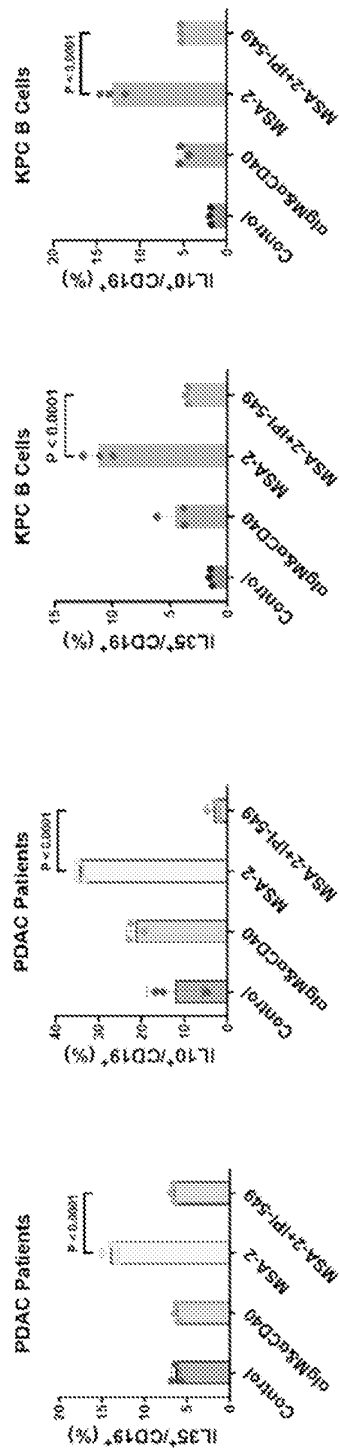


FIG. 11E

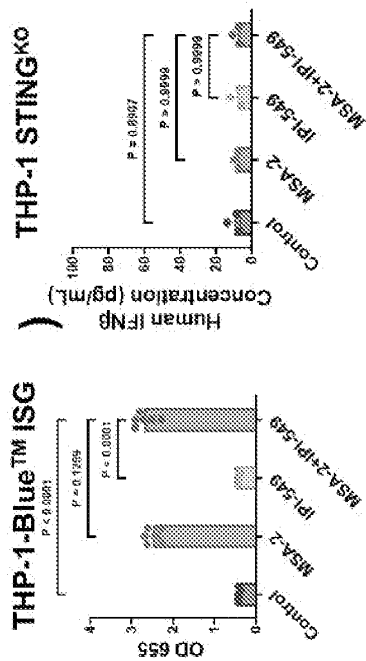


FIG. 11I

FIG. 11H

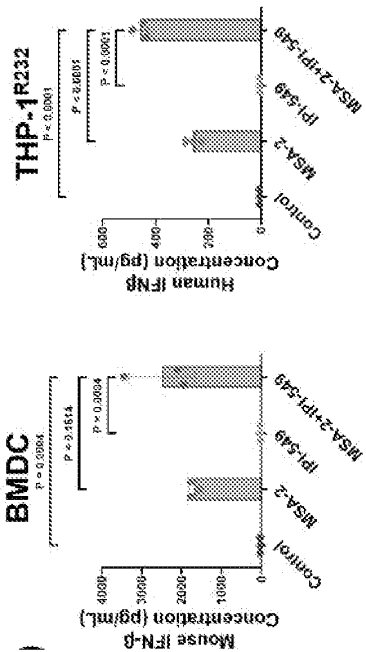


FIG. 11G

FIG. 11F

FIG. 11D

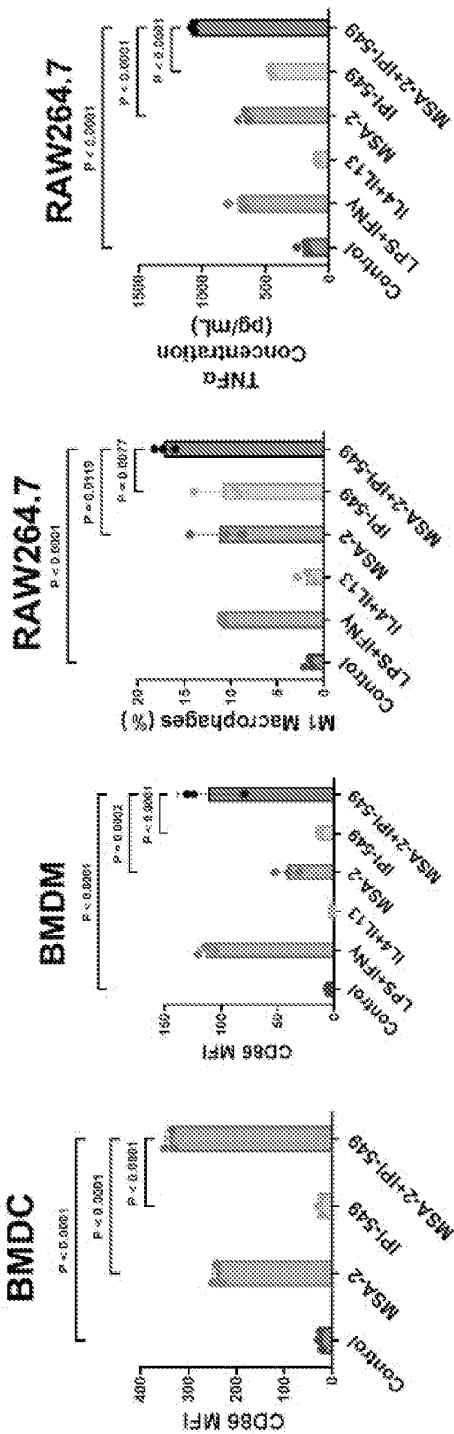


FIG. 11M

FIG. 11L

FIG. 11K

FIG. 11J

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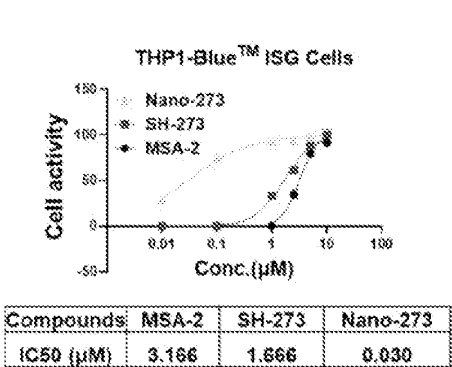


FIG. 12A

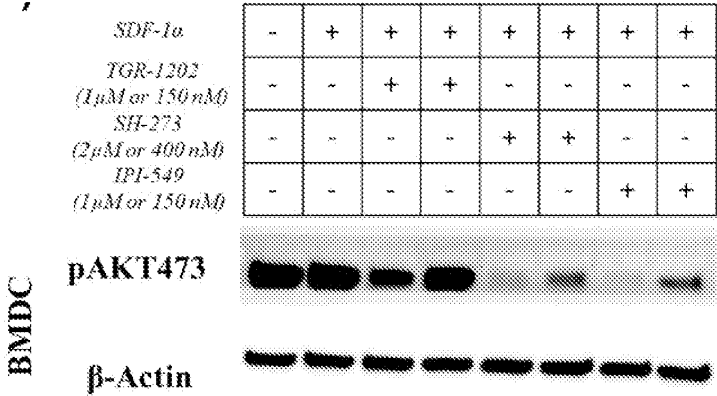
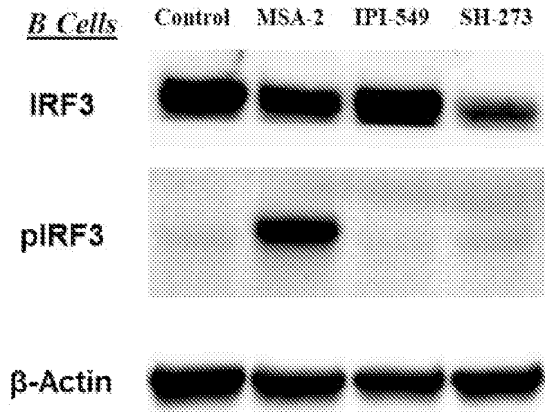


FIG. 12B



FIGS. 12C

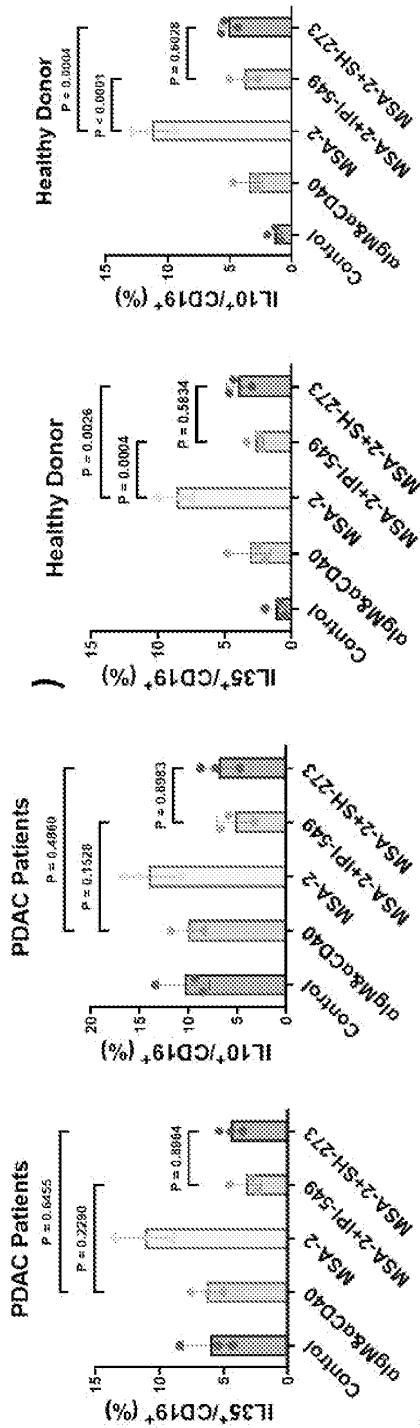


FIG. 12D

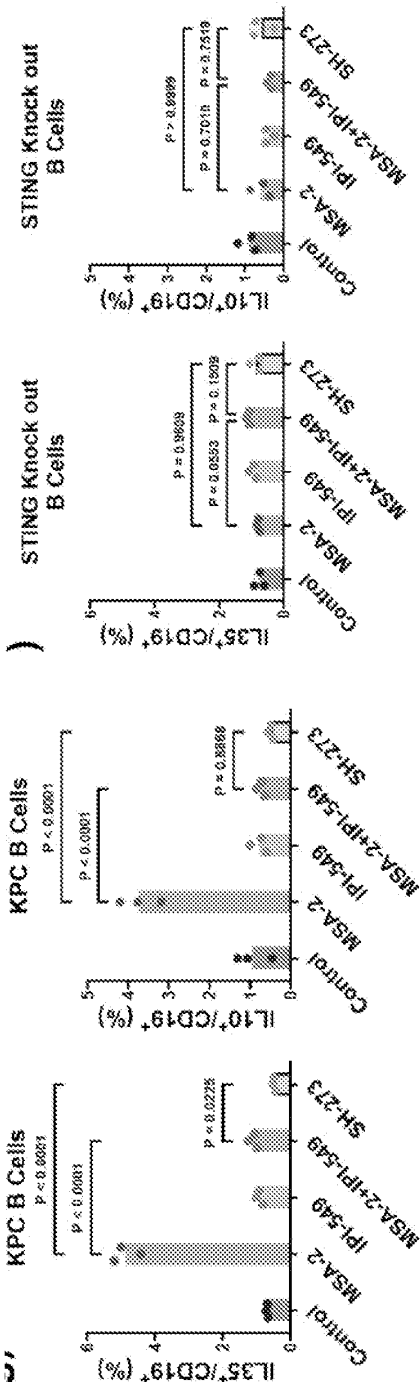


FIG. 12E

FIG. 12F

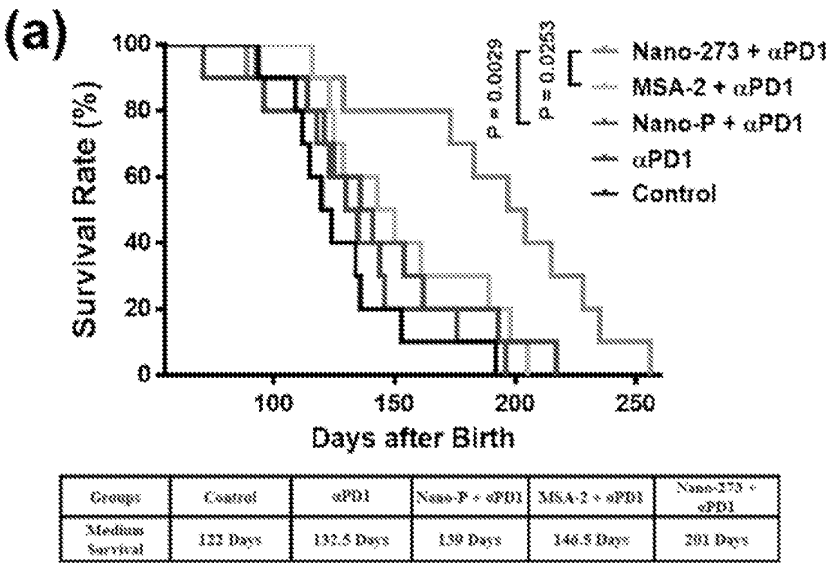


FIG. 13A

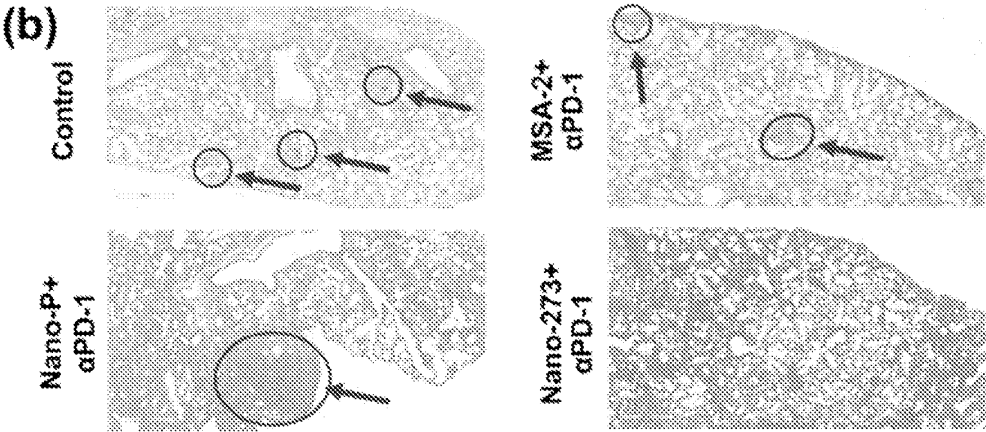


FIG. 13B

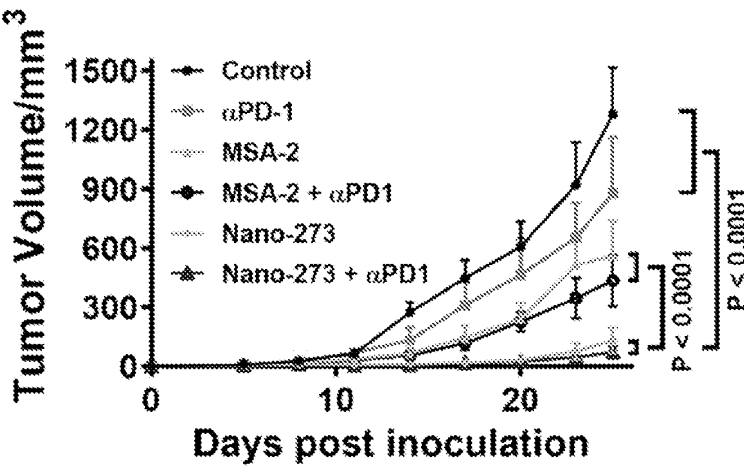


FIG. 13C

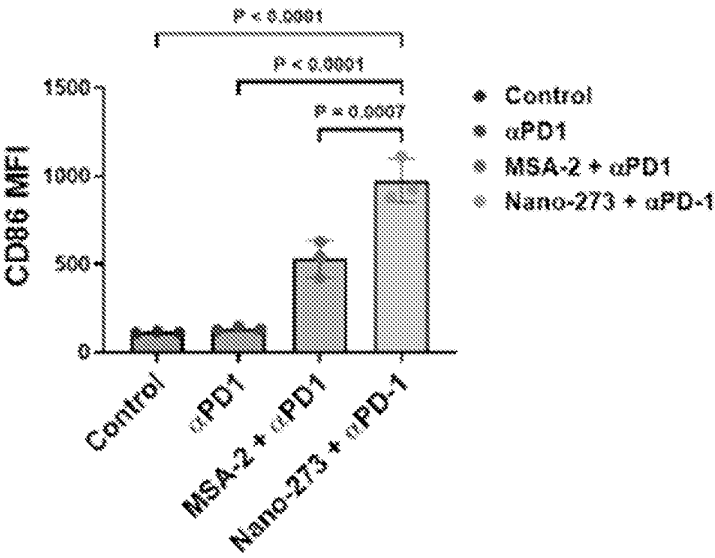


FIG. 13D

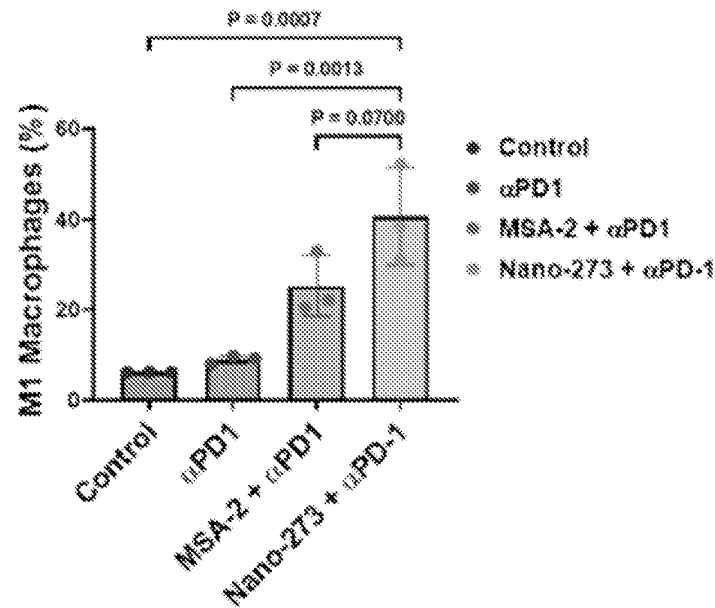


FIG. 13E

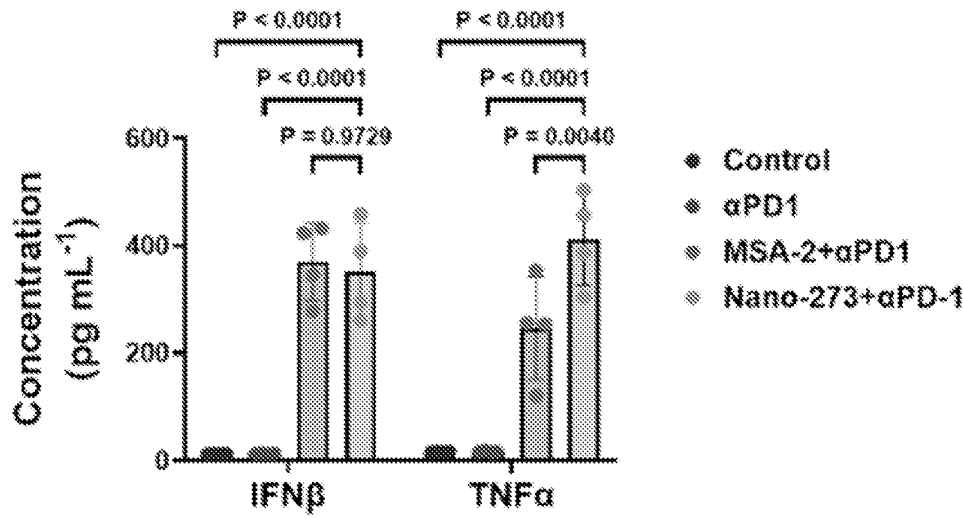


FIG. 13F

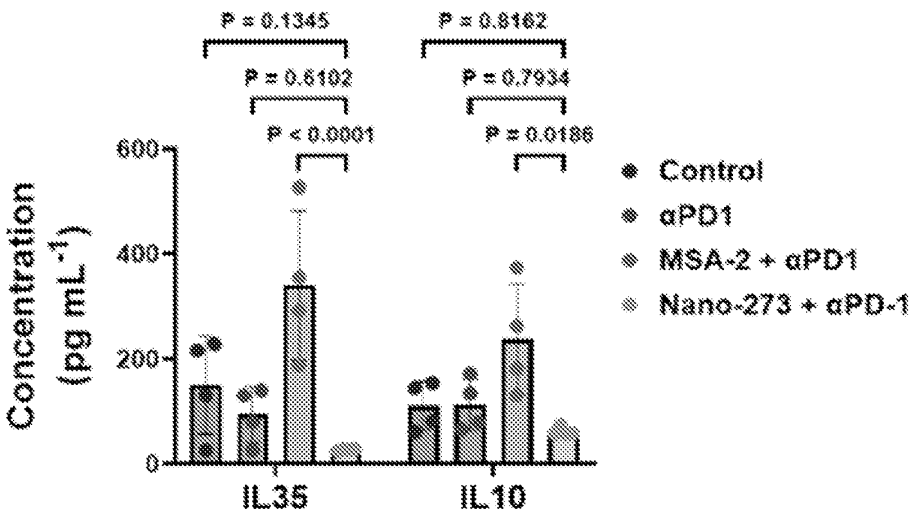


FIG. 13G

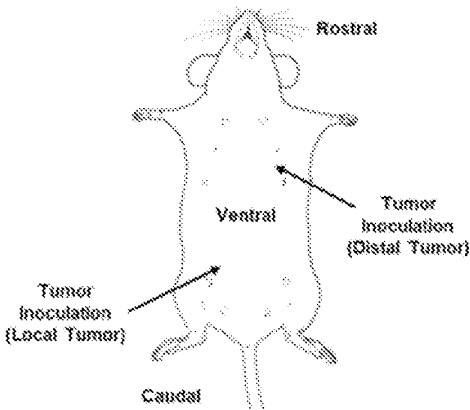


FIG. 13H

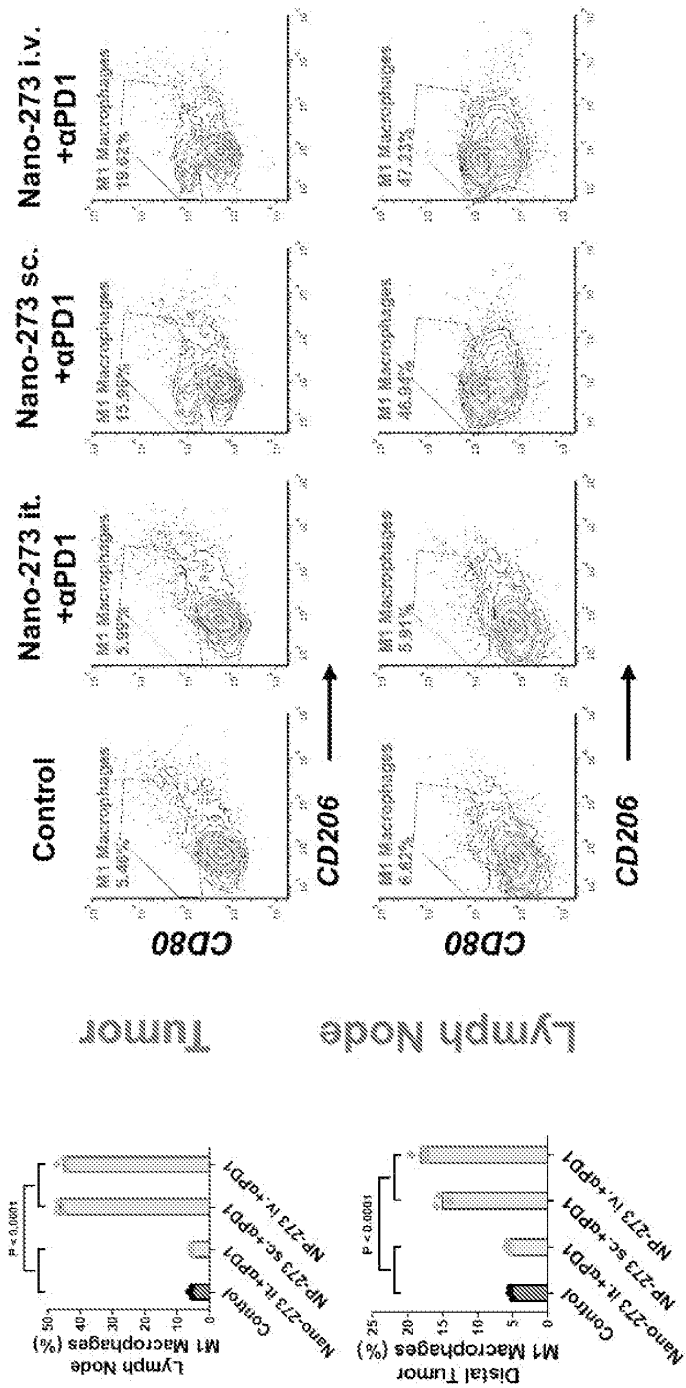


FIG. 13I

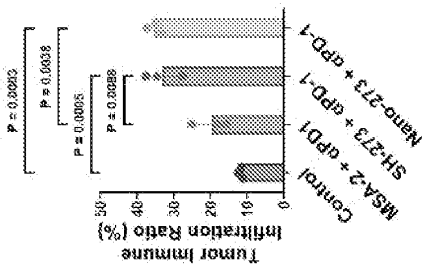


FIG. 14A

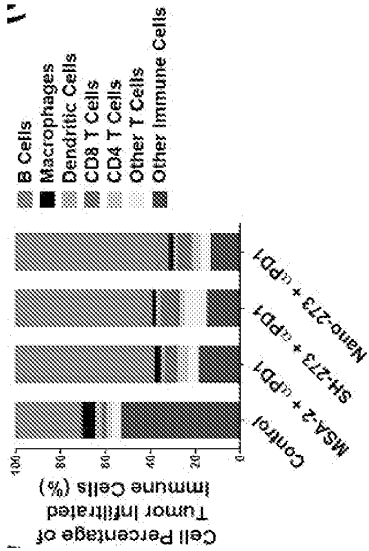


FIG. 14B

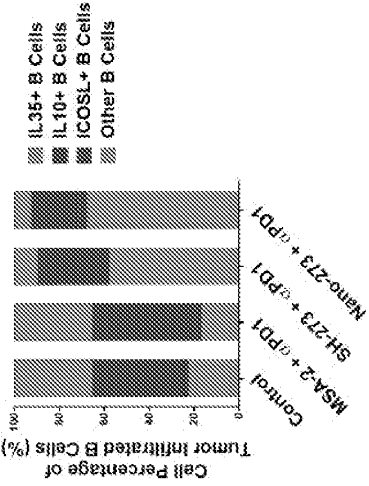


FIG. 14C

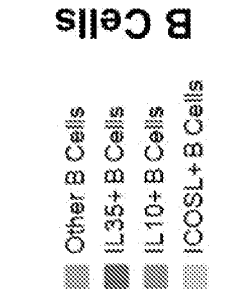


FIG. 14D

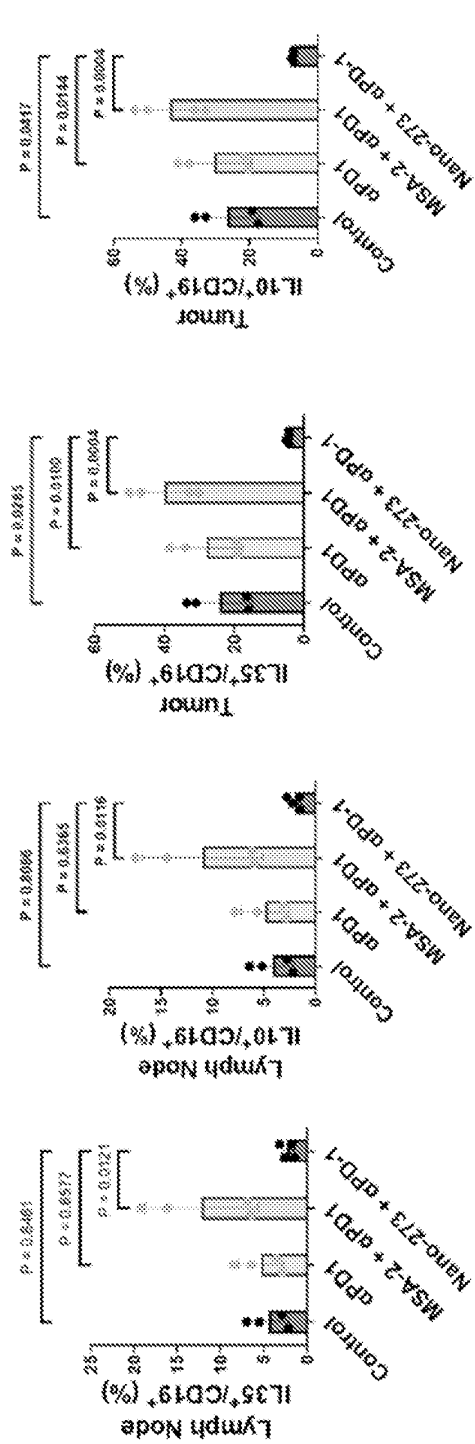


FIG. 14E

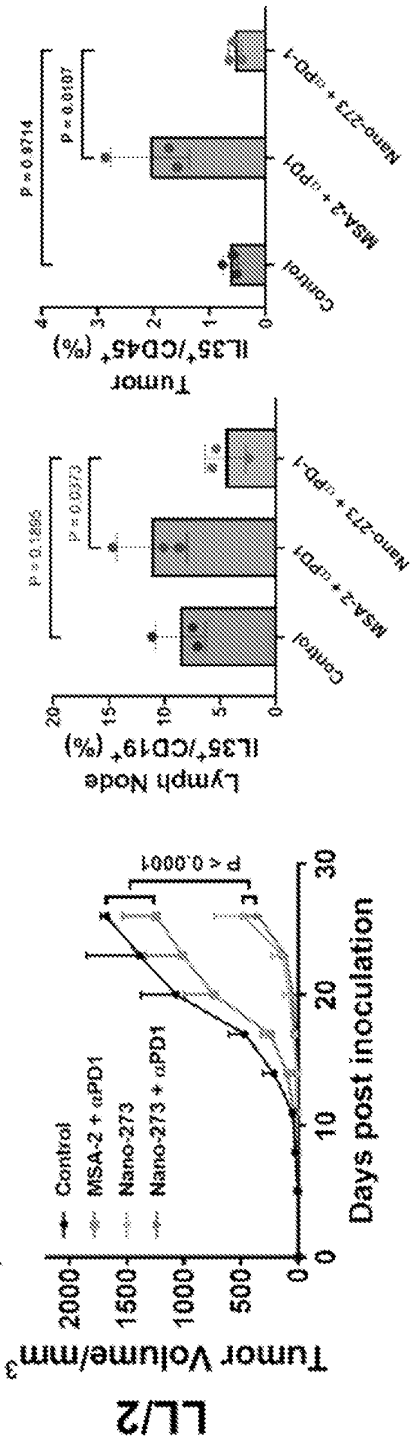


FIG. 14G

FIG. 14F

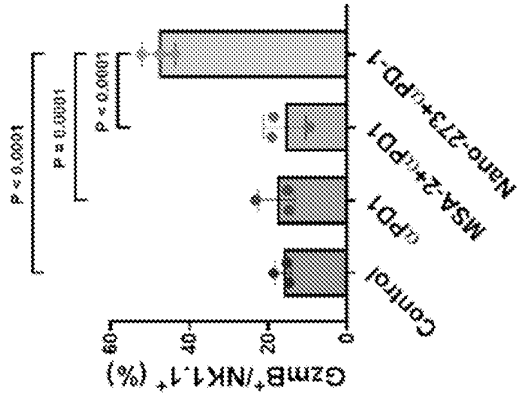


FIG. 14I

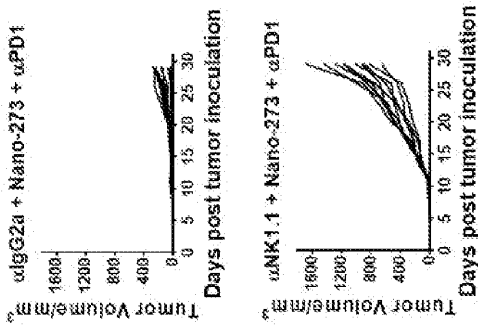
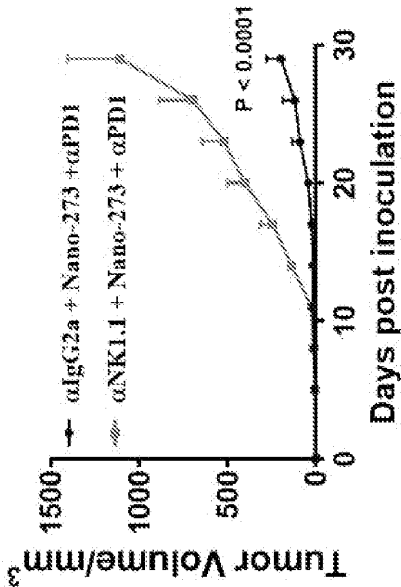


FIG. 14H



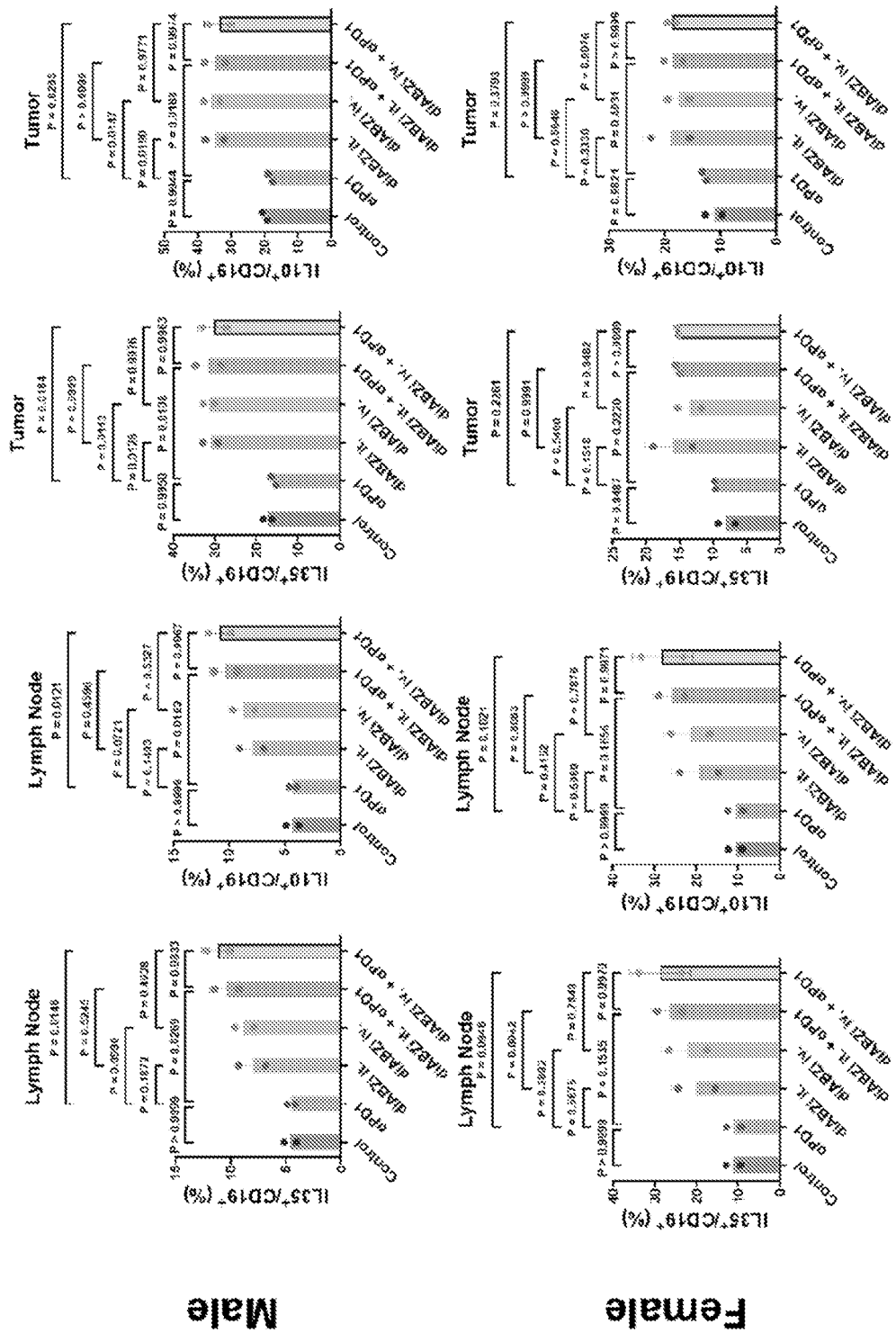


FIG. 15

KPC BMDC

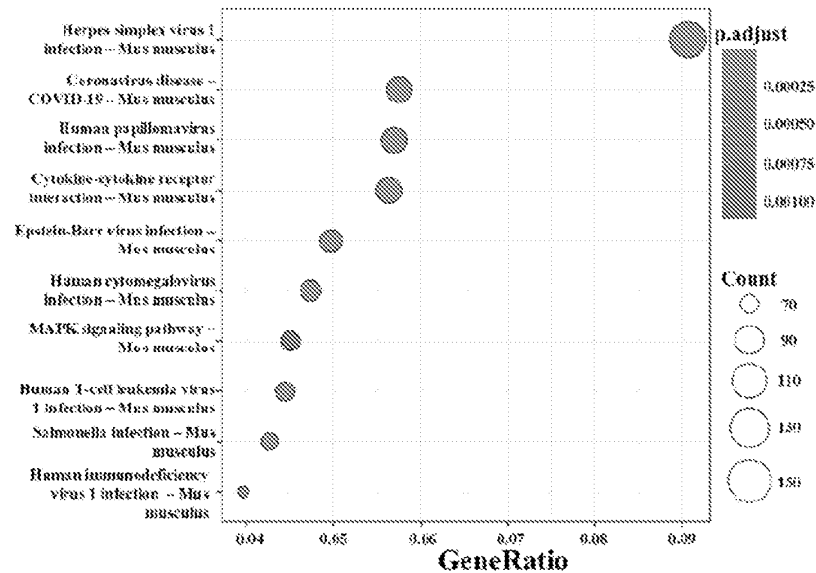


FIG. 16A

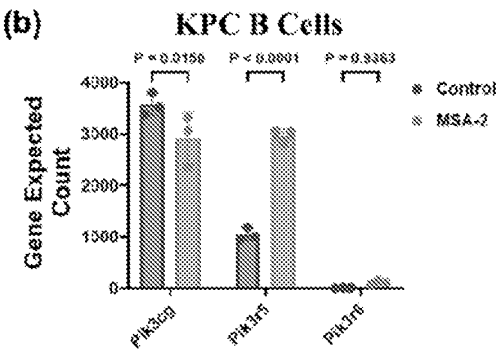


FIG. 16B

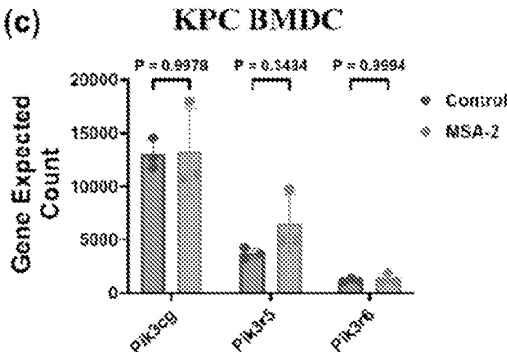


FIG. 16C

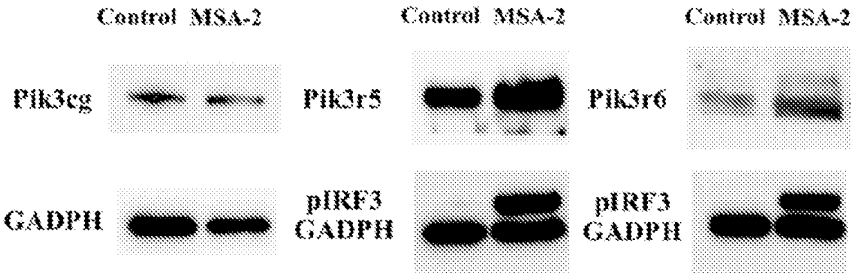


FIG. 16D

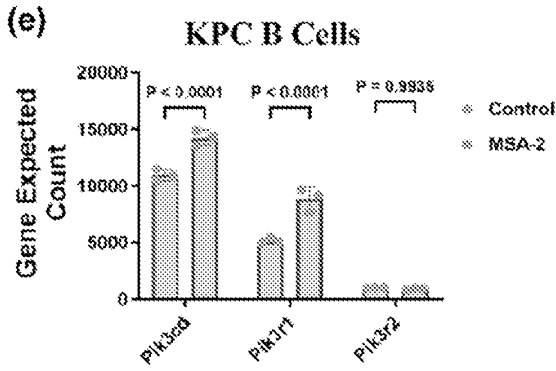


FIG. 16E

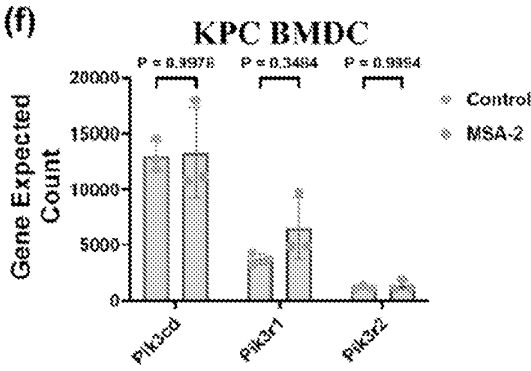


FIG. 16F

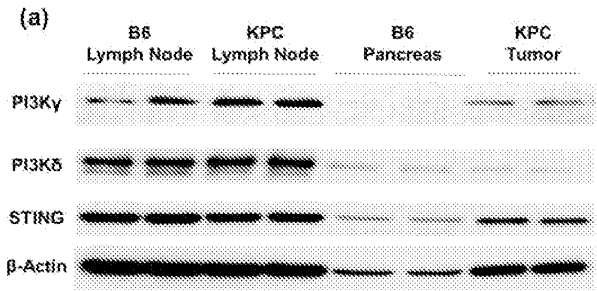


FIG. 17A

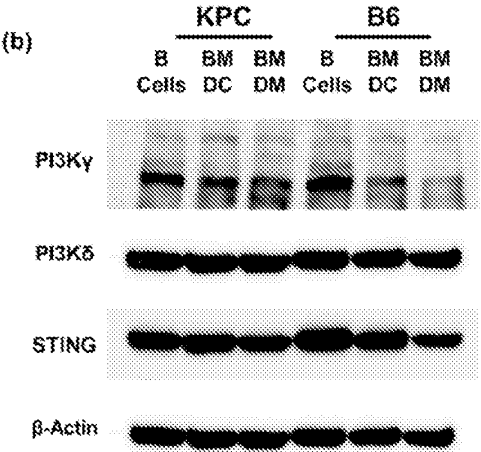


FIG. 17B

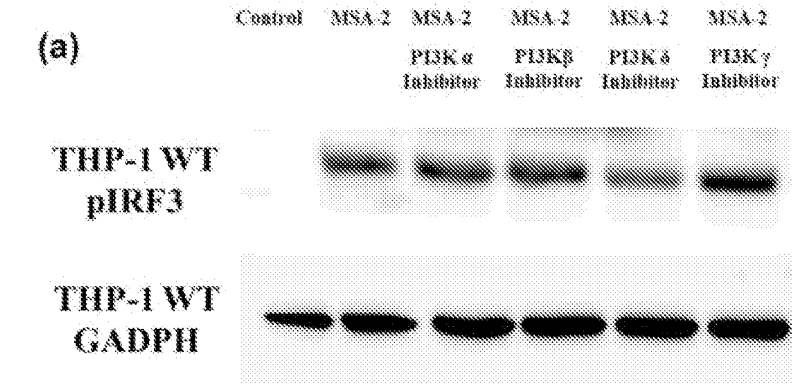


FIG. 18A

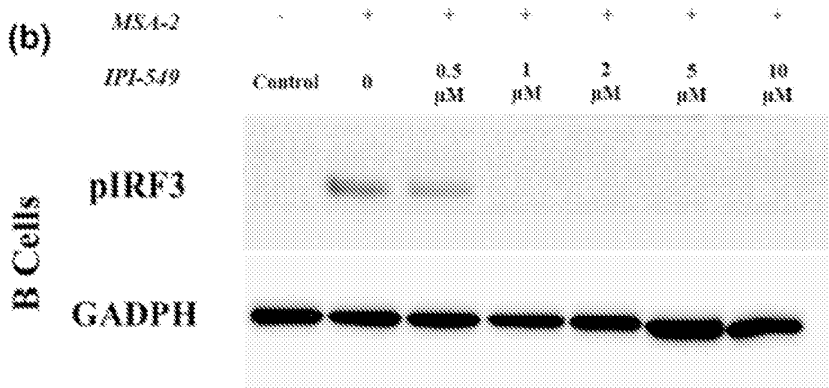


FIG. 18B

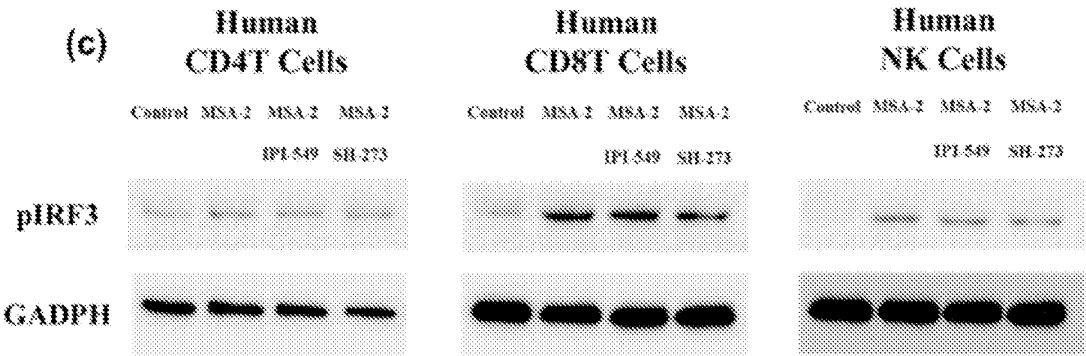


FIG. 18C

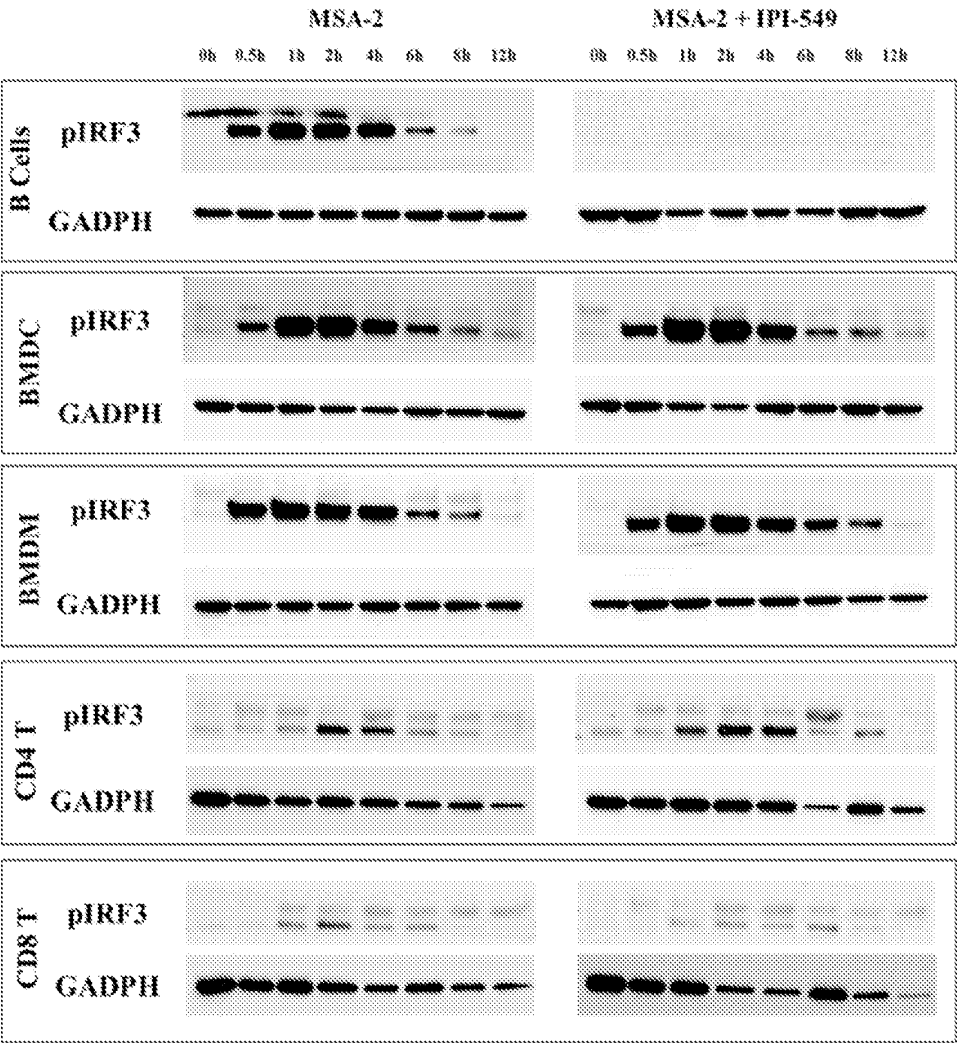


FIG. 19

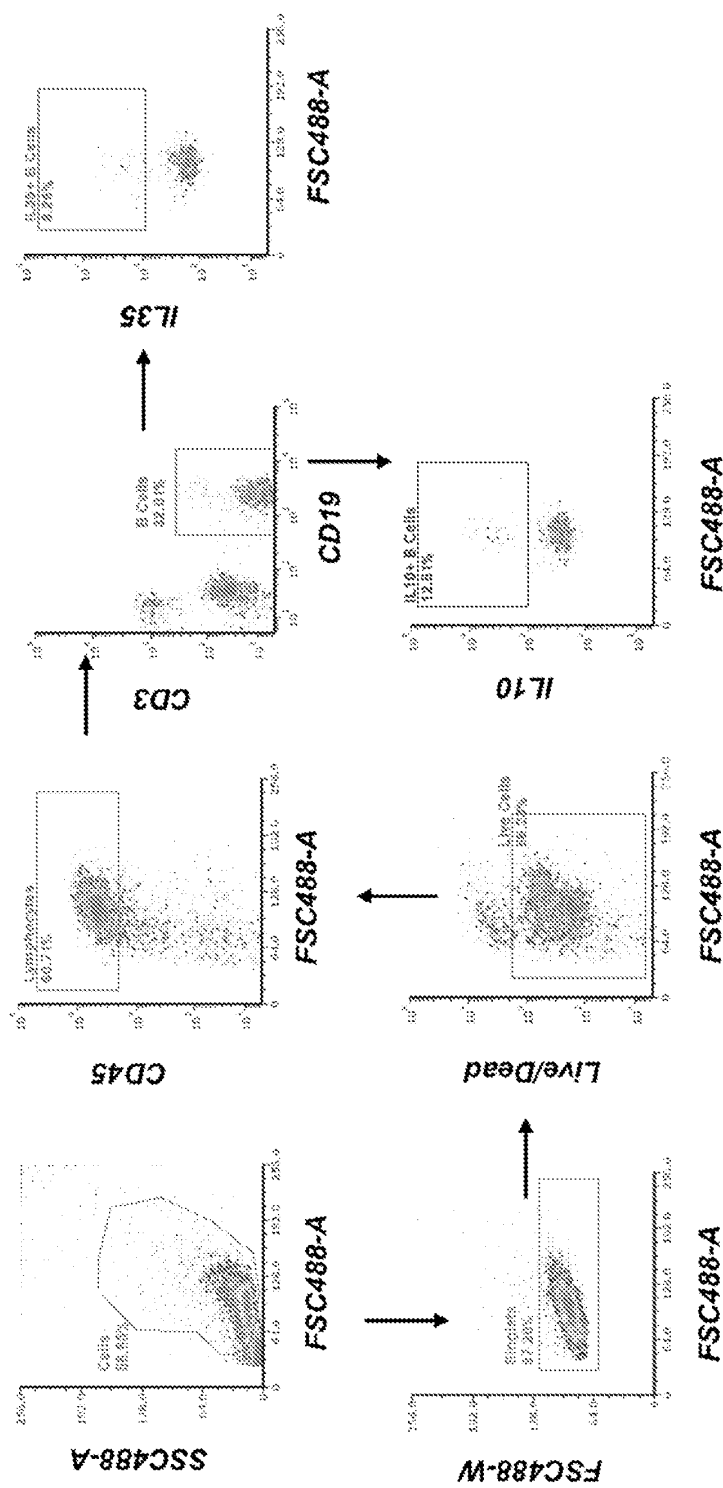


FIG. 20A

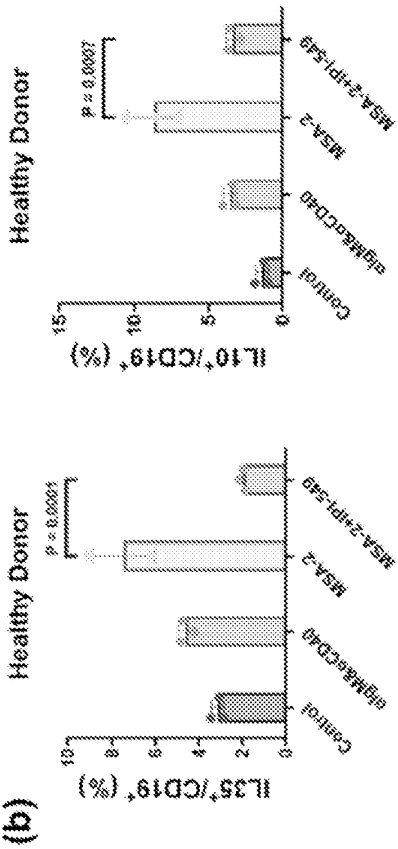


FIG. 20B

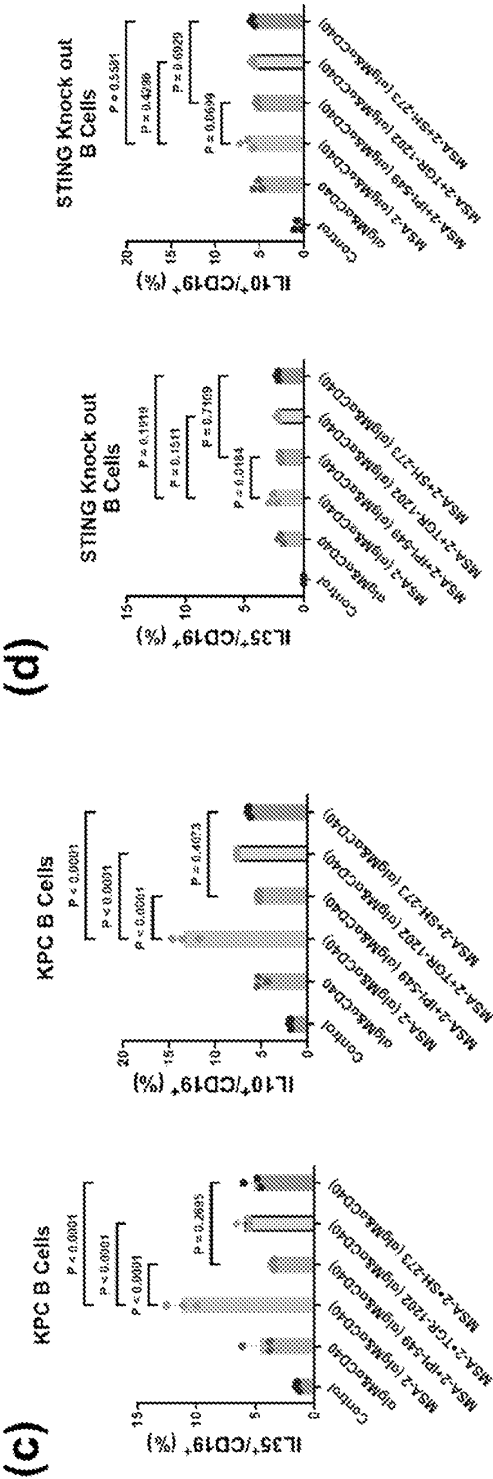
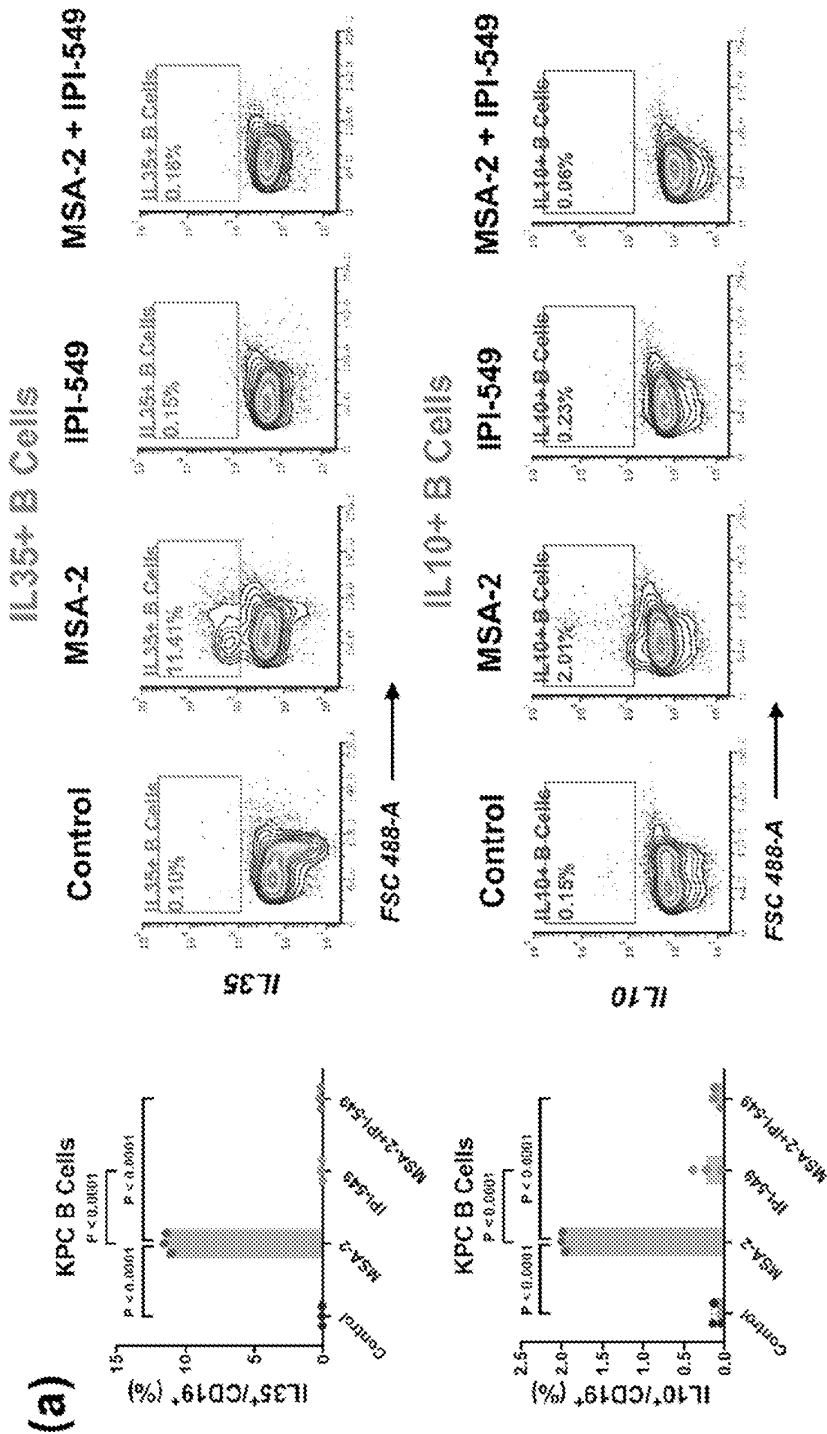
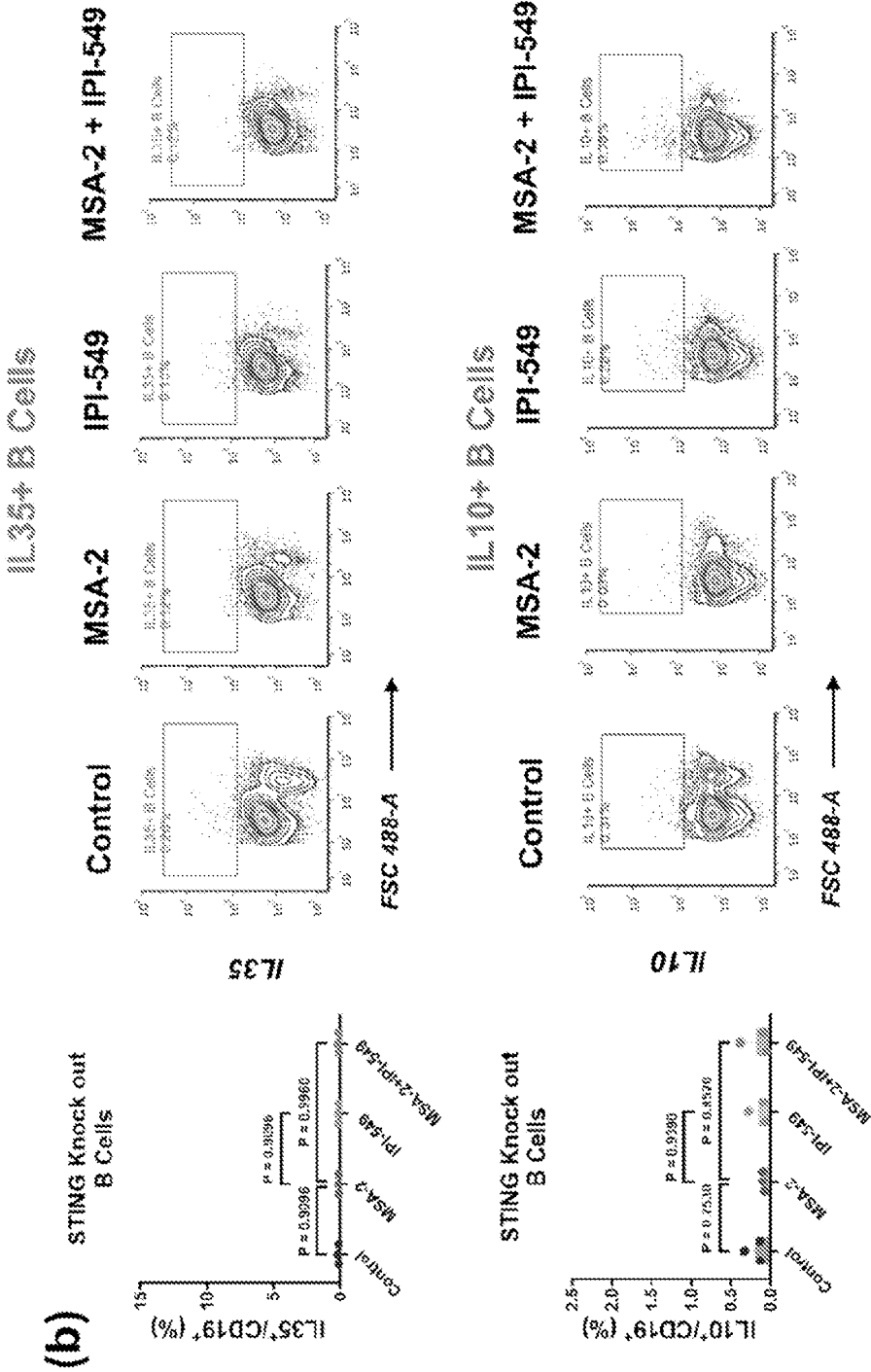


FIG. 20C

FIG. 20D





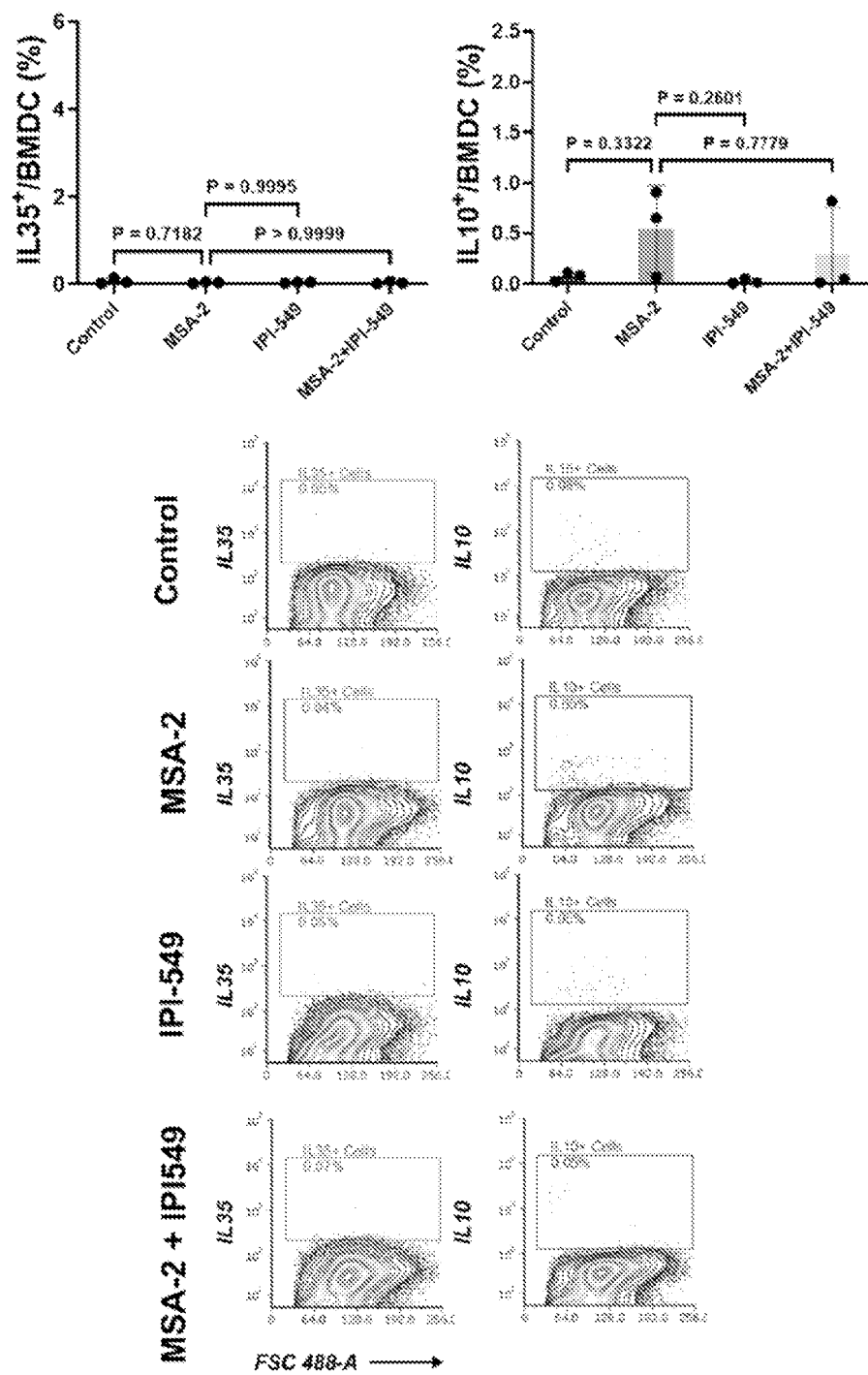


FIG. 22A

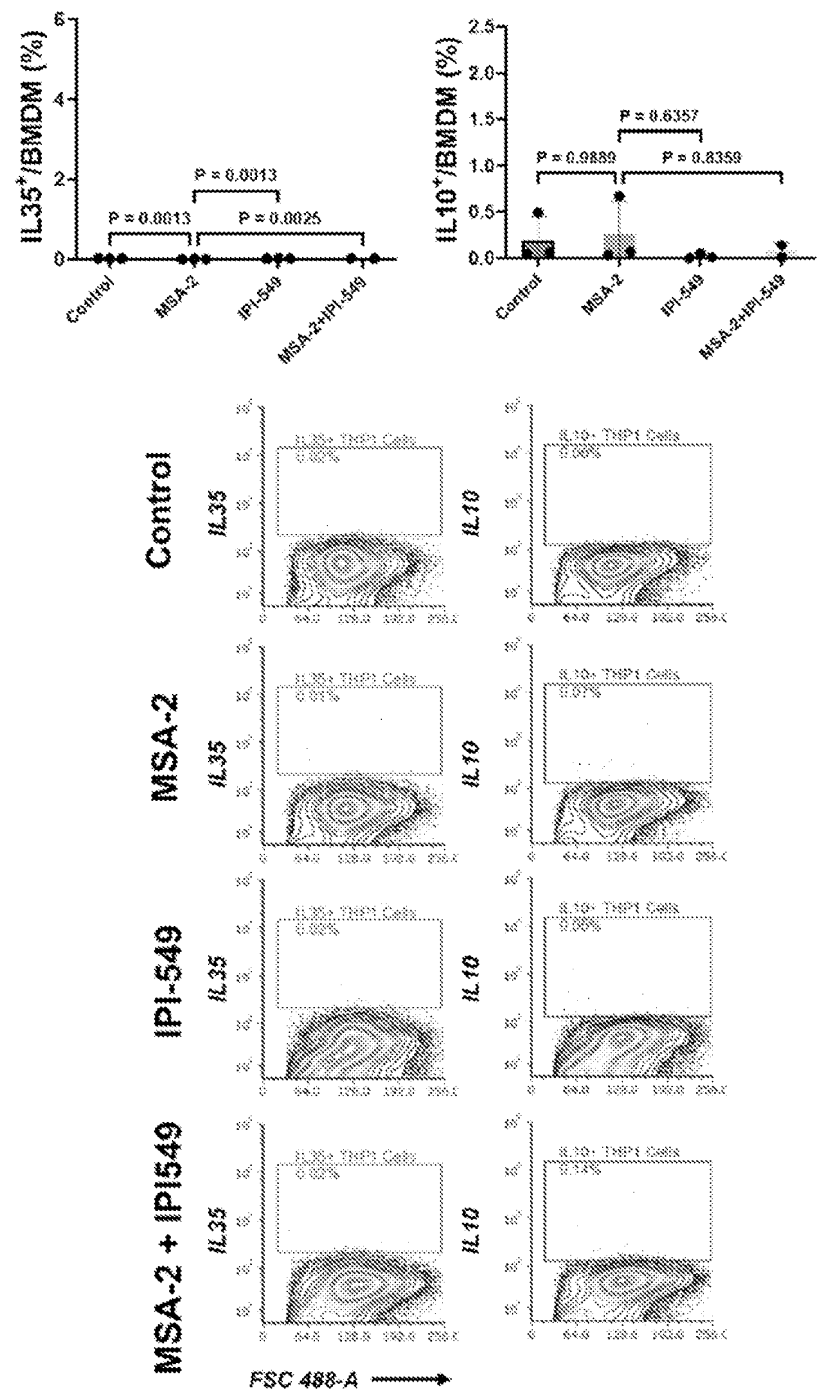


FIG. 22B

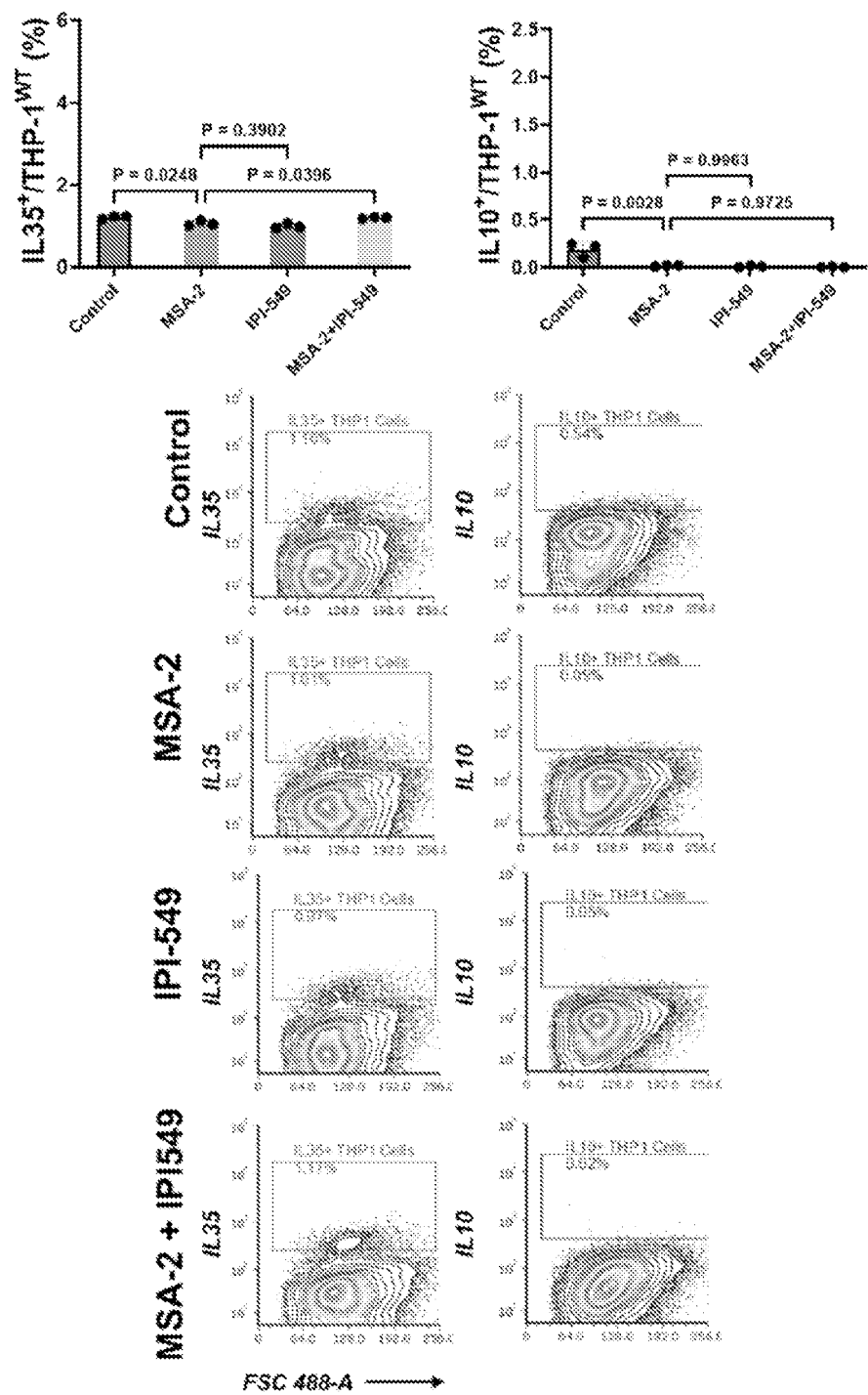


FIG. 23A

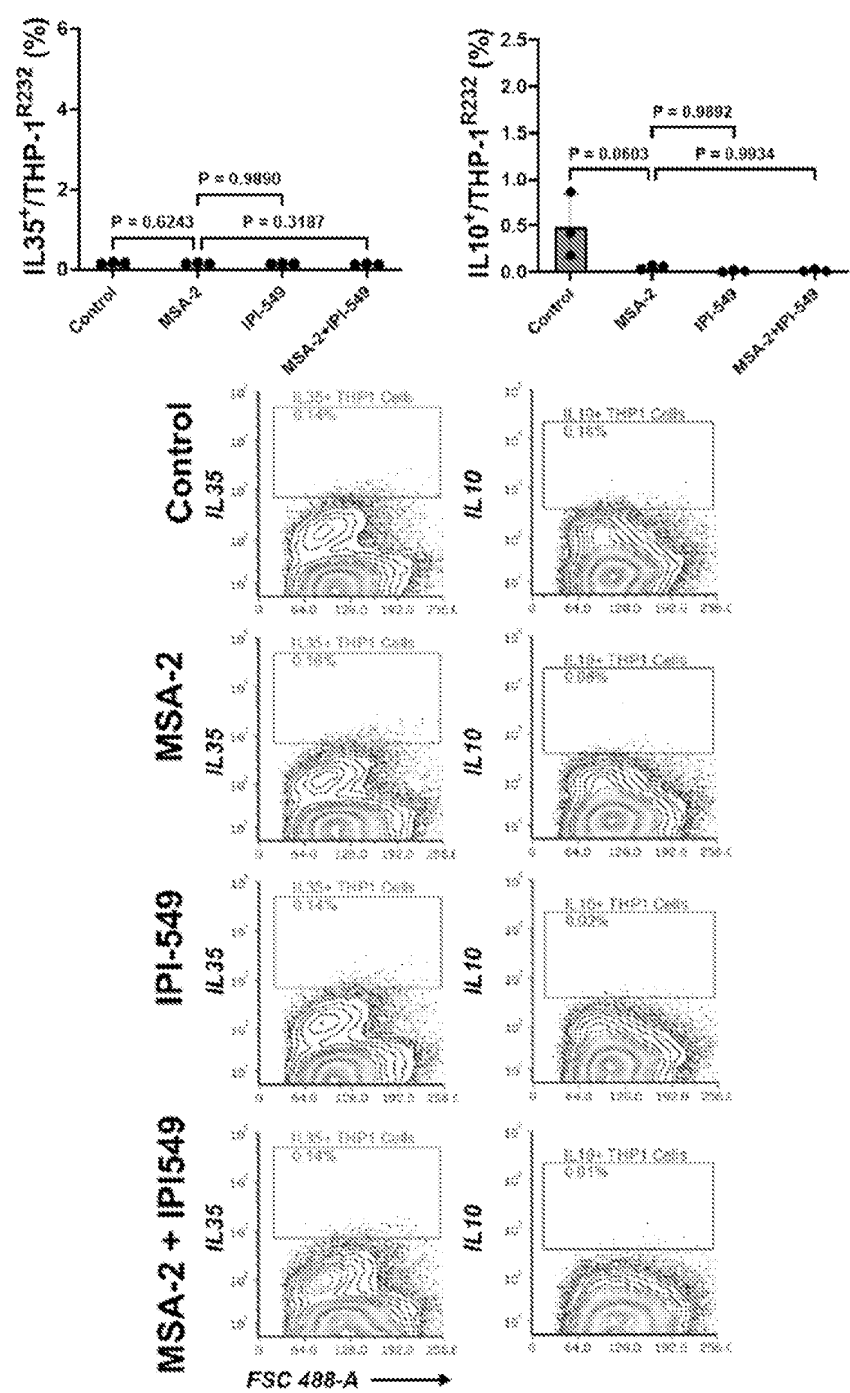


FIG. 23B

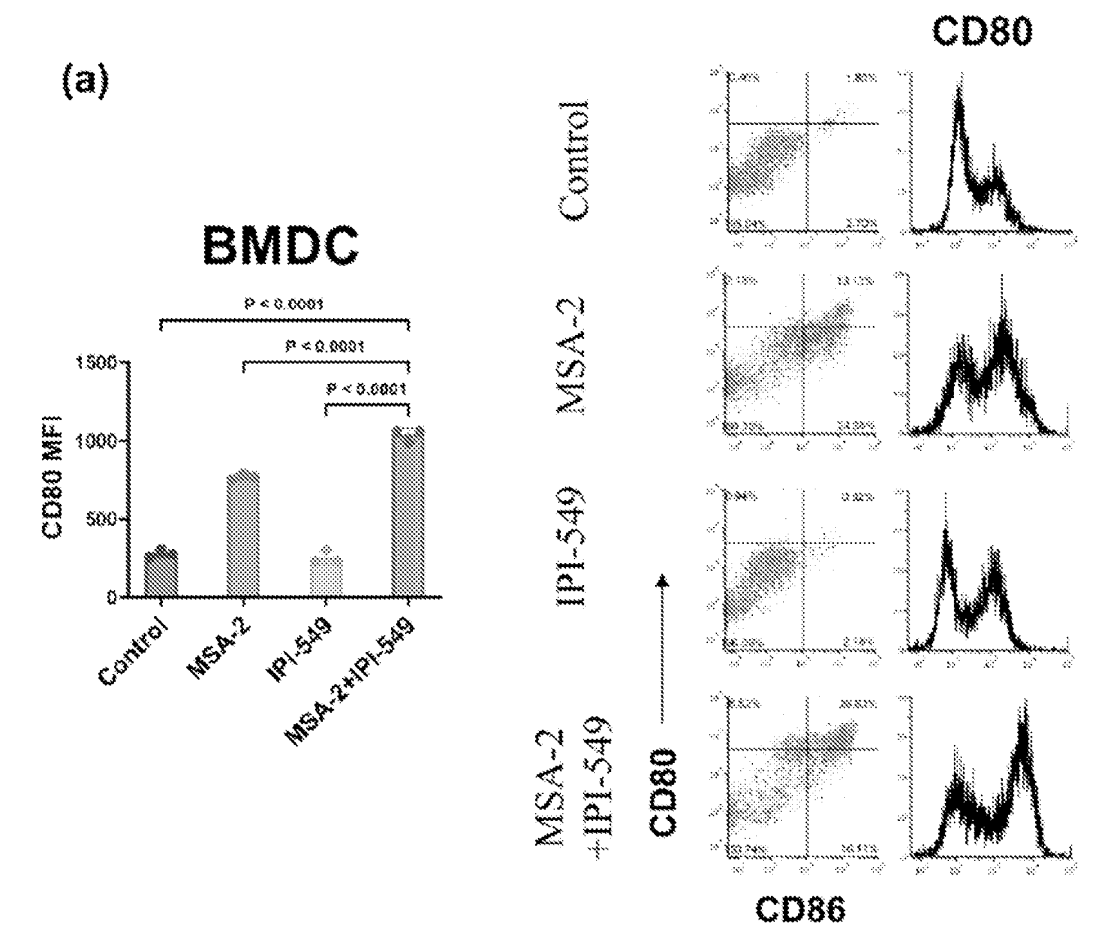


FIG. 24A

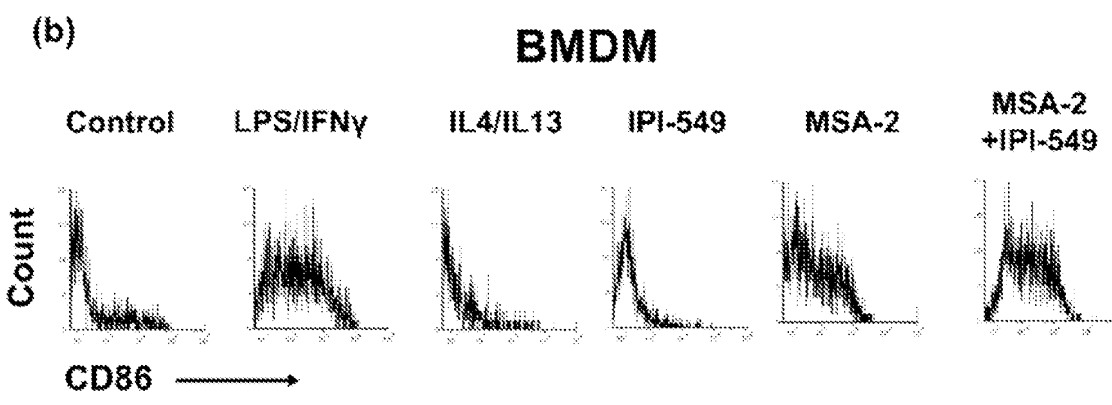


FIG. 24B

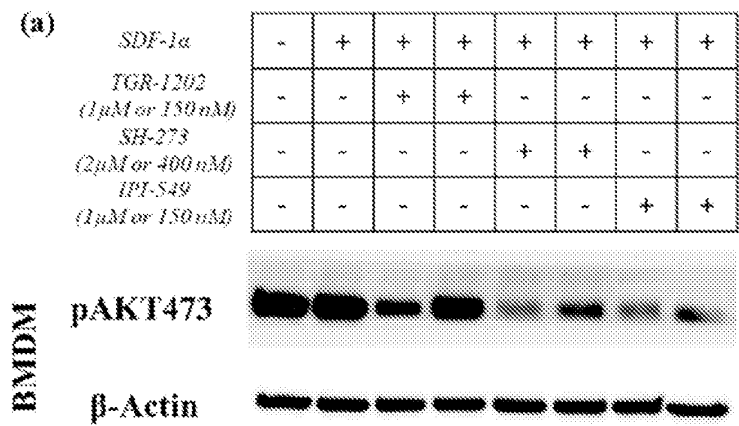


FIG. 25A

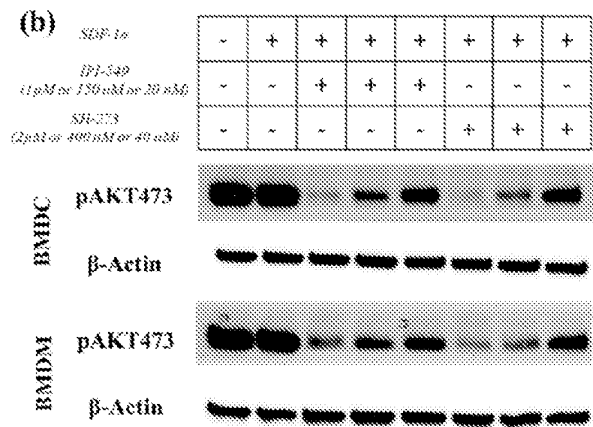


FIG. 25B

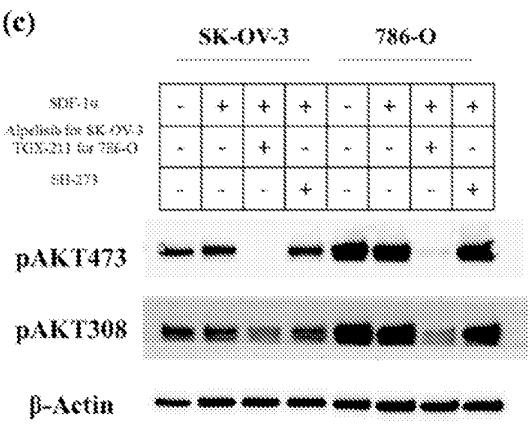


FIG. 25C

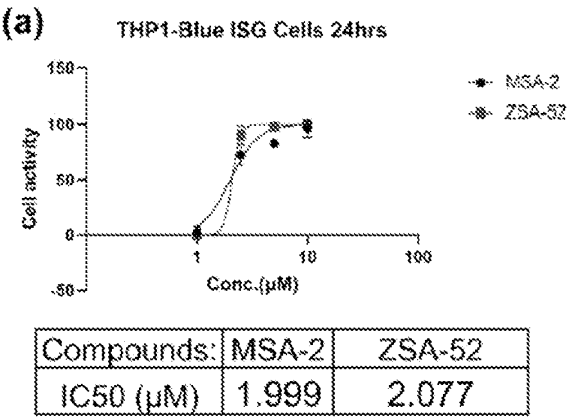


FIG. 26A

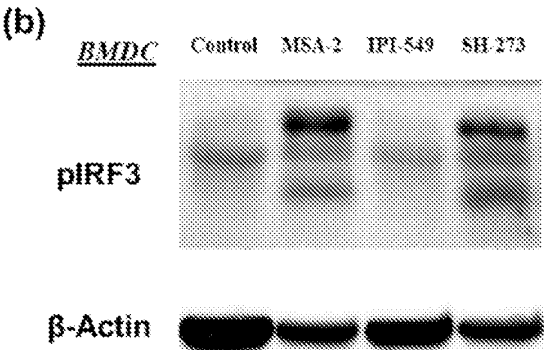


FIG. 26B

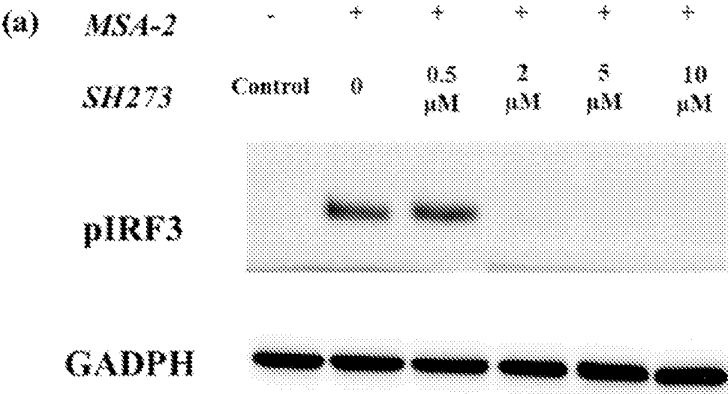


FIG. 27A

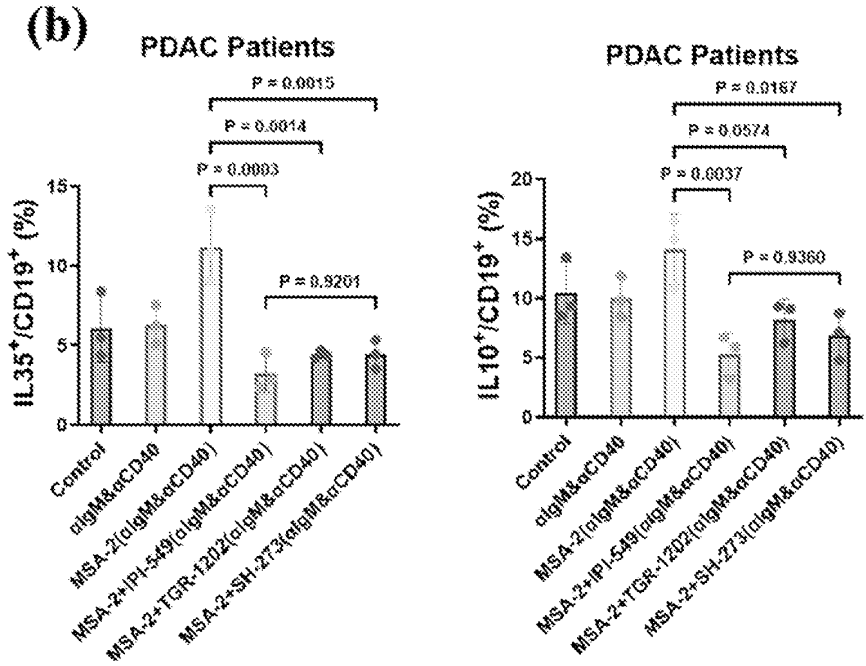


FIG. 27B

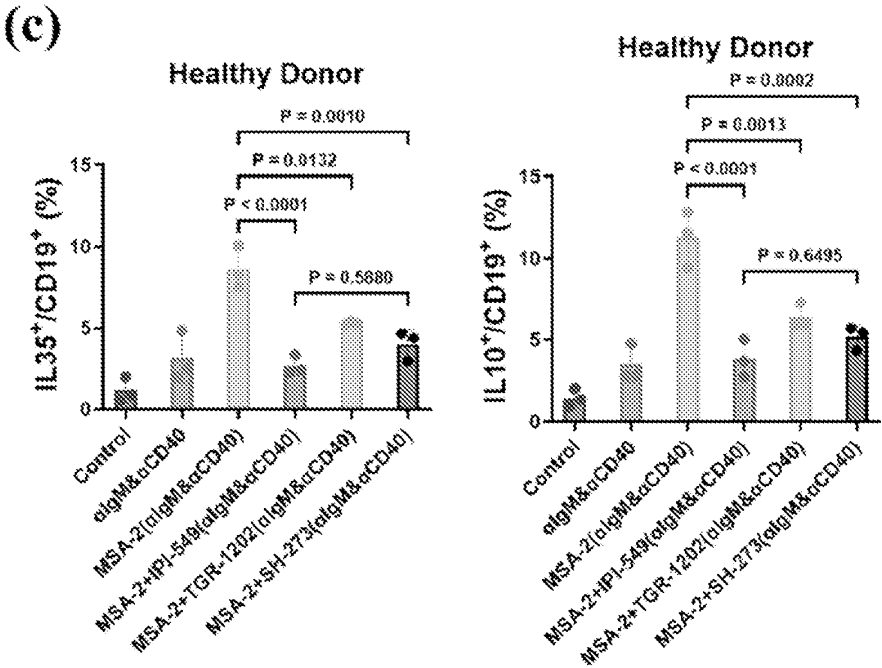


FIG. 27C

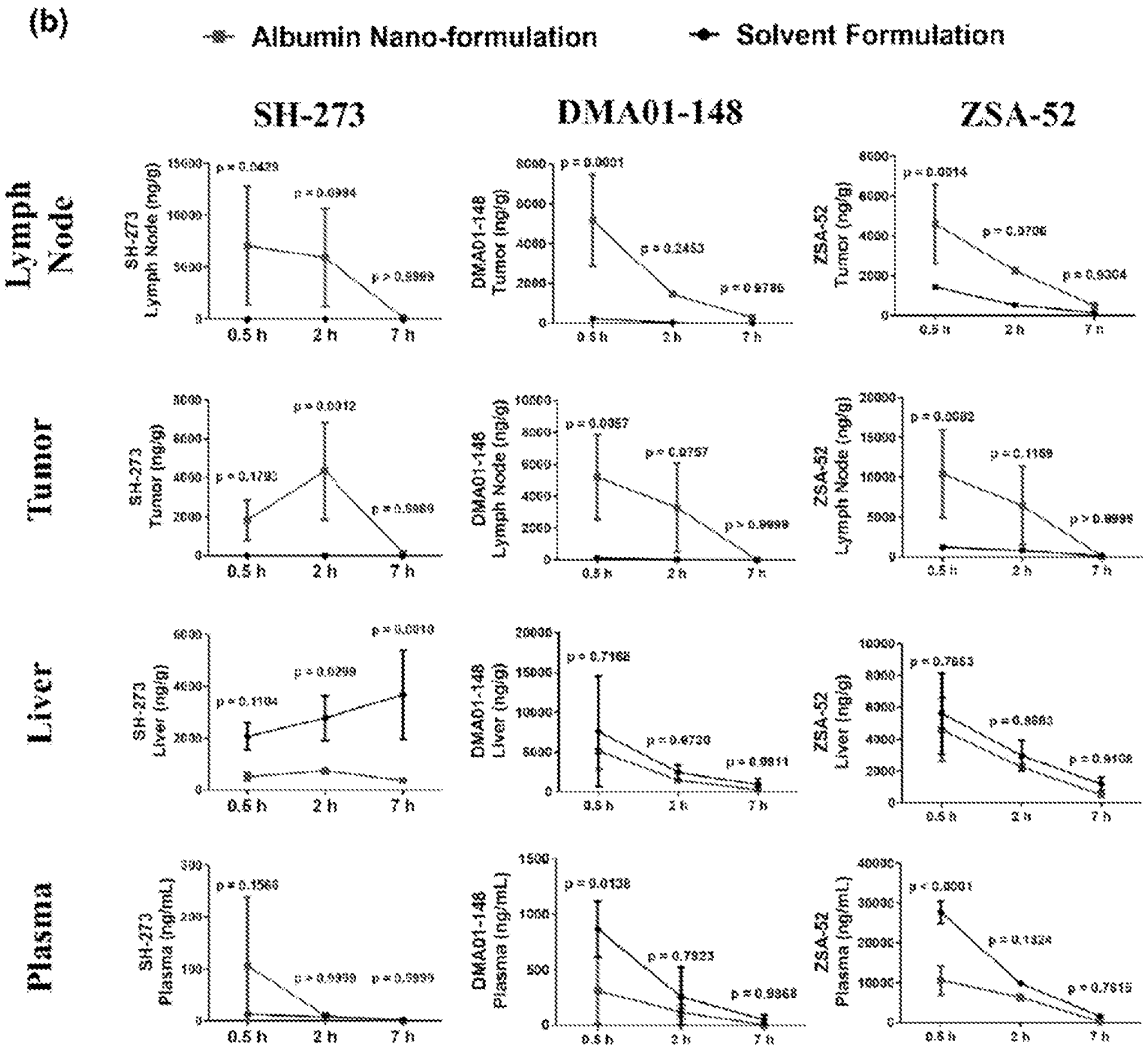


FIG. 28

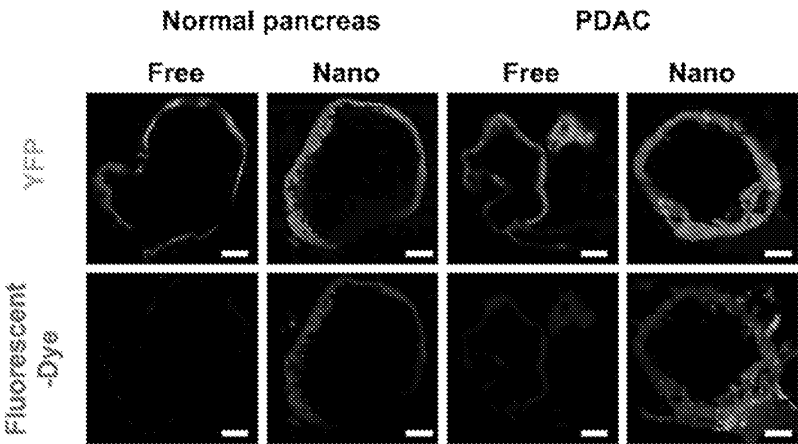


FIG. 29

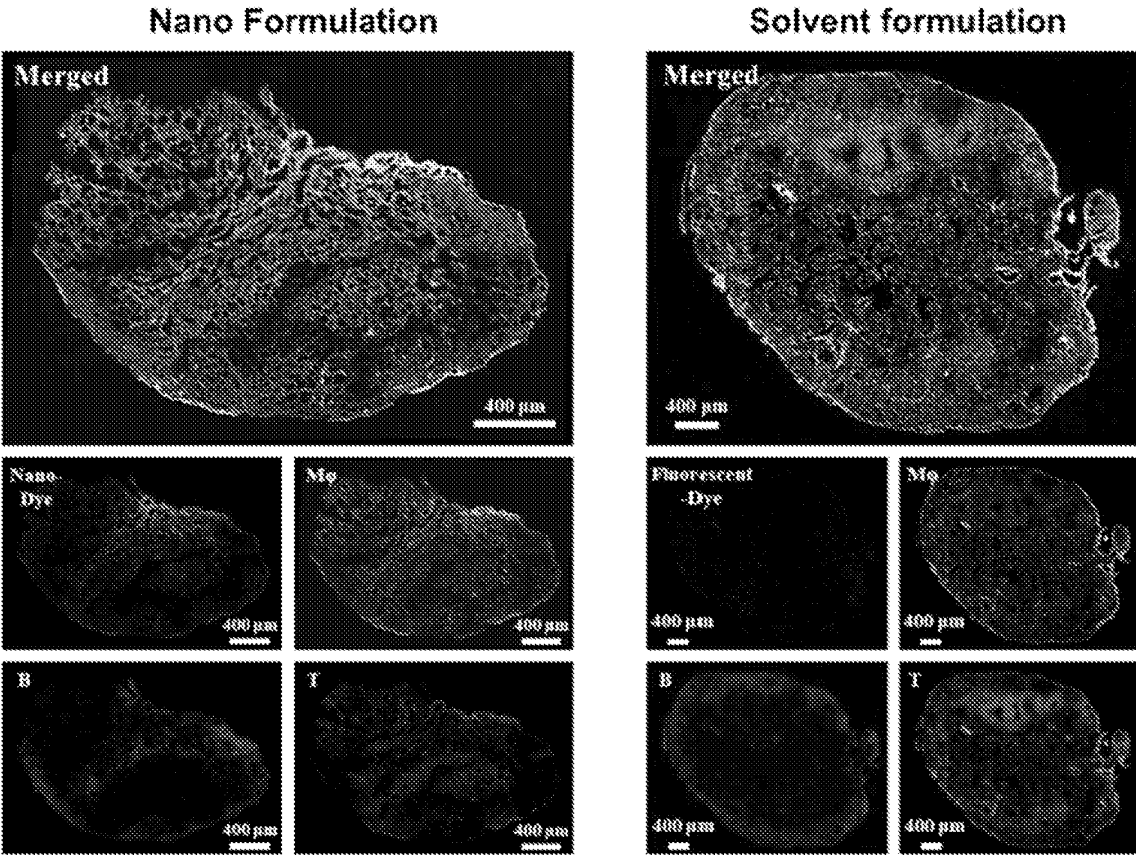


FIG. 30

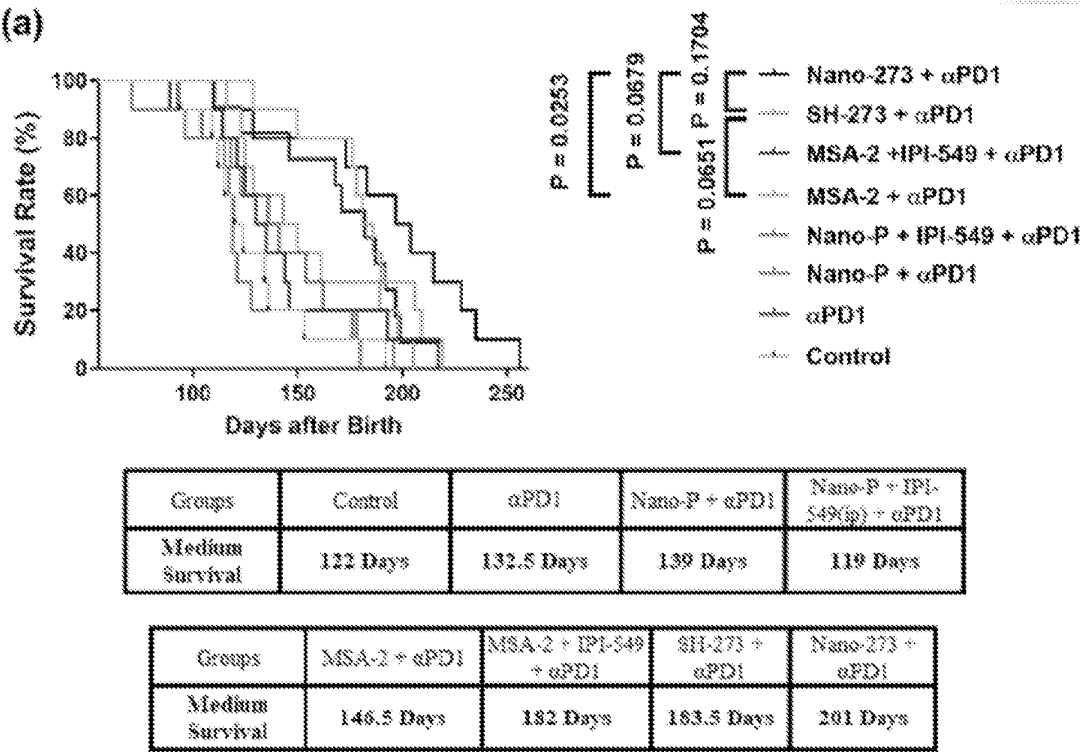


FIG. 31A

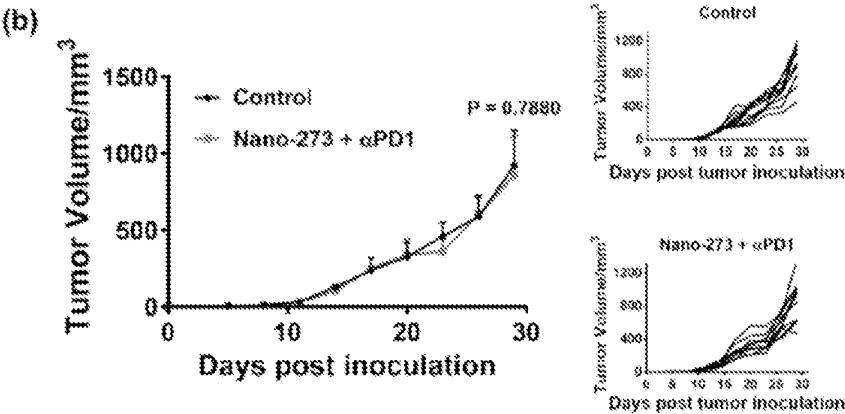
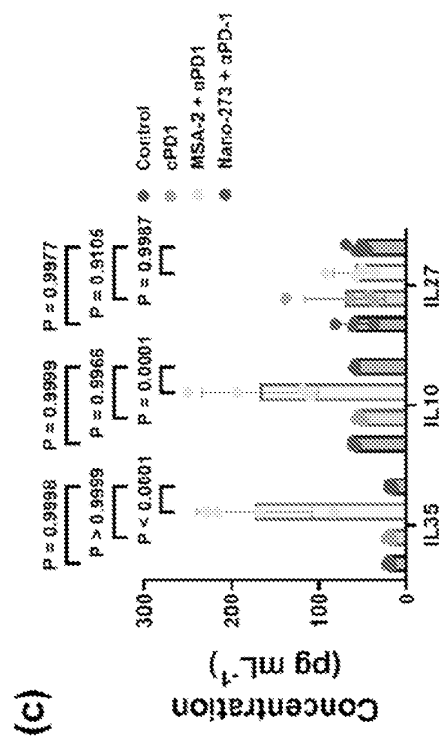
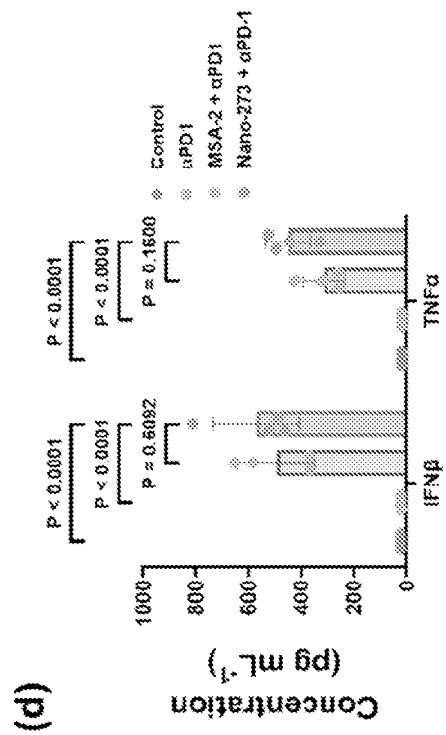
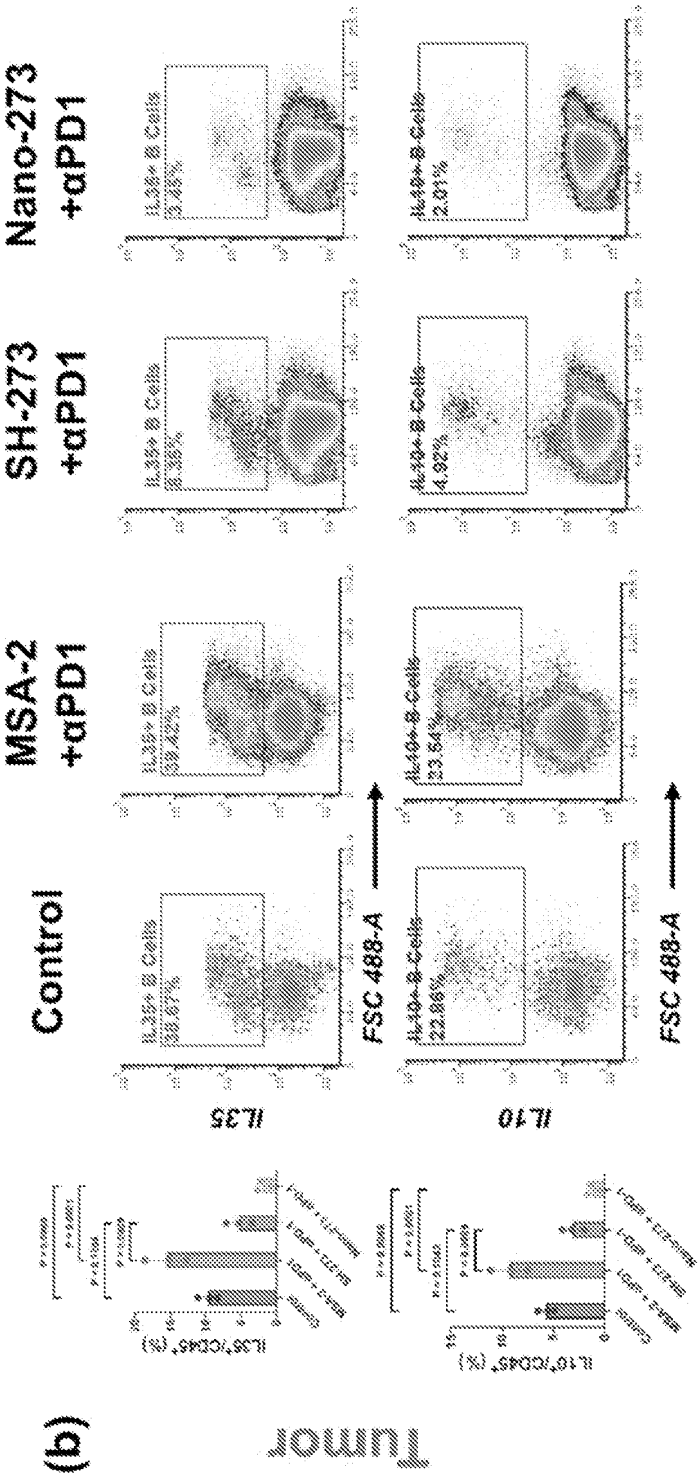


FIG. 31B





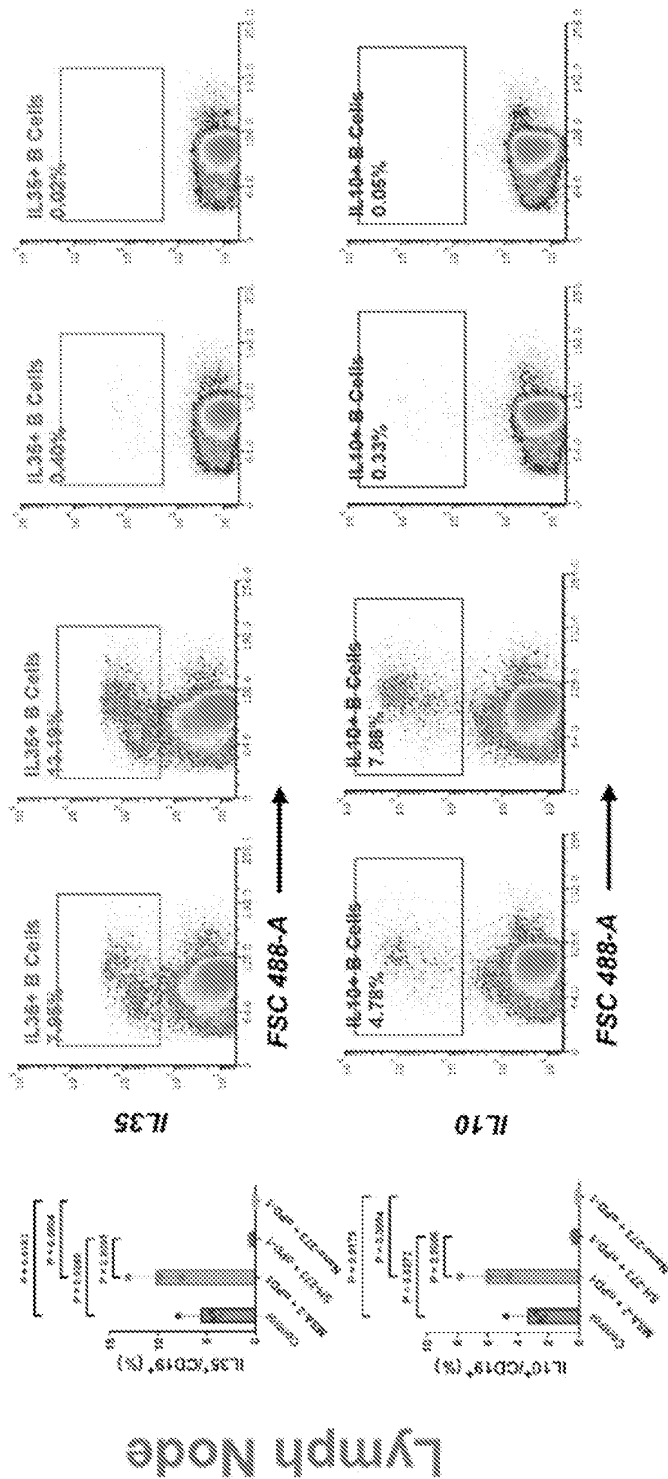


FIG. 32, continued

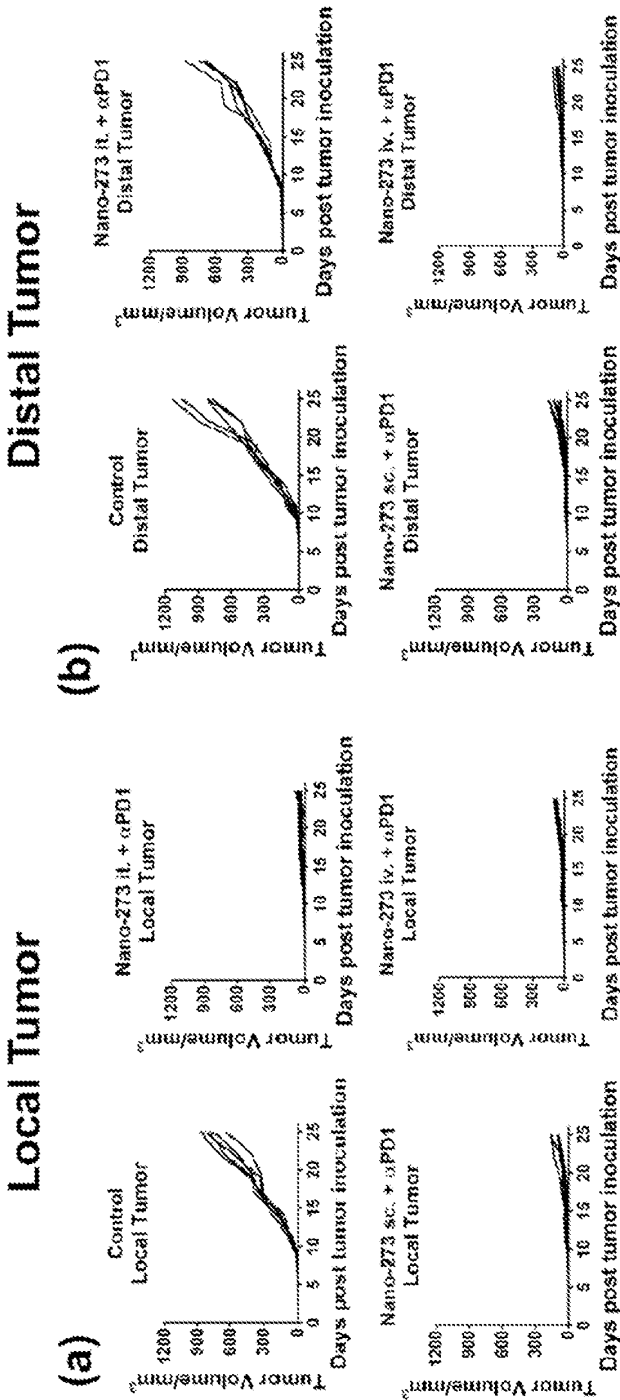


FIG. 33

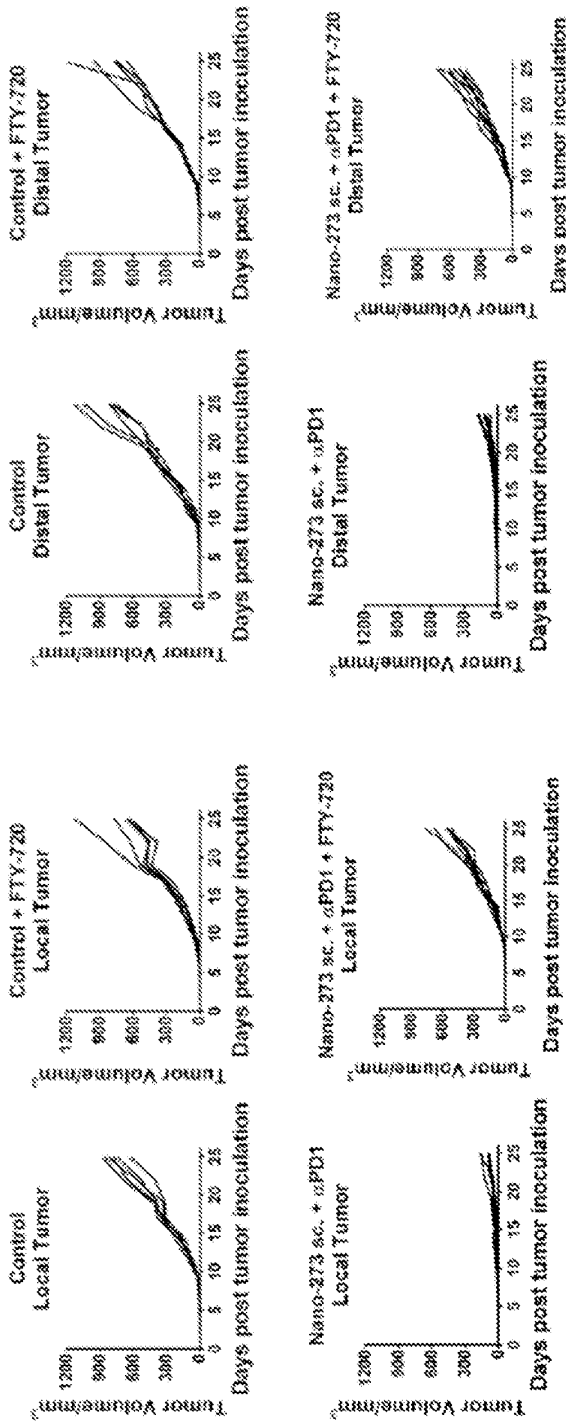
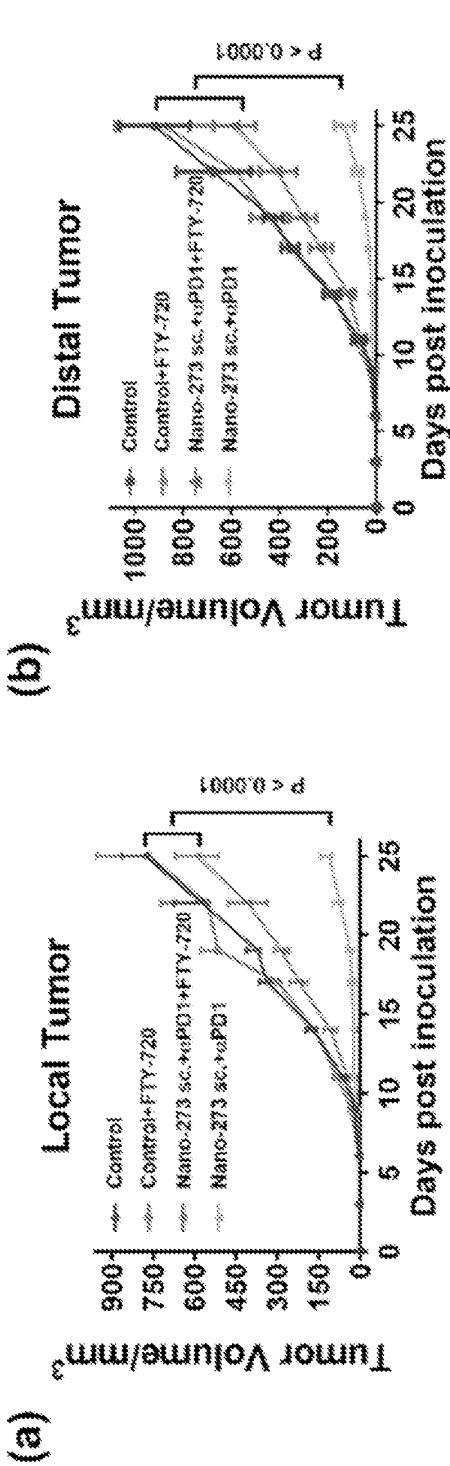


FIG. 34B

FIG. 34A

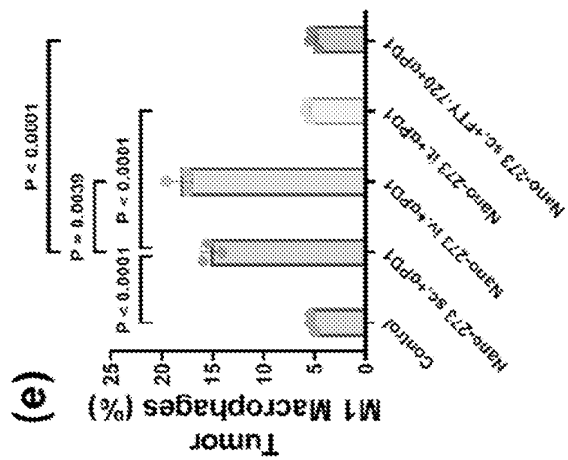


FIG. 34C

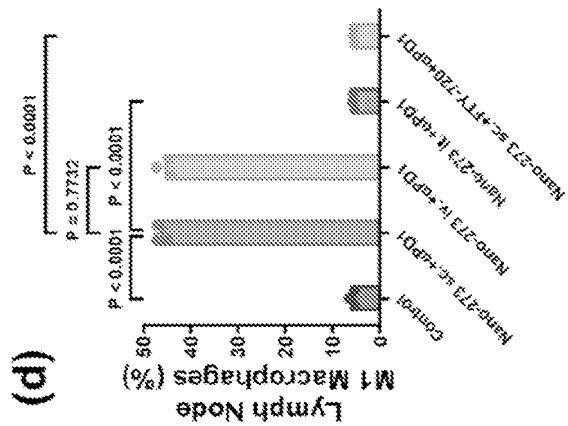


FIG. 34D

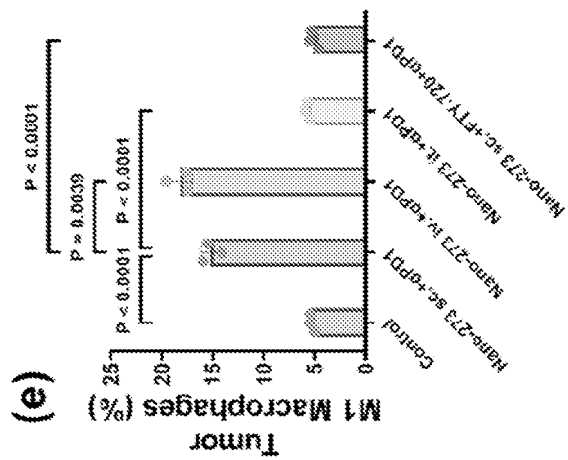


FIG. 34E

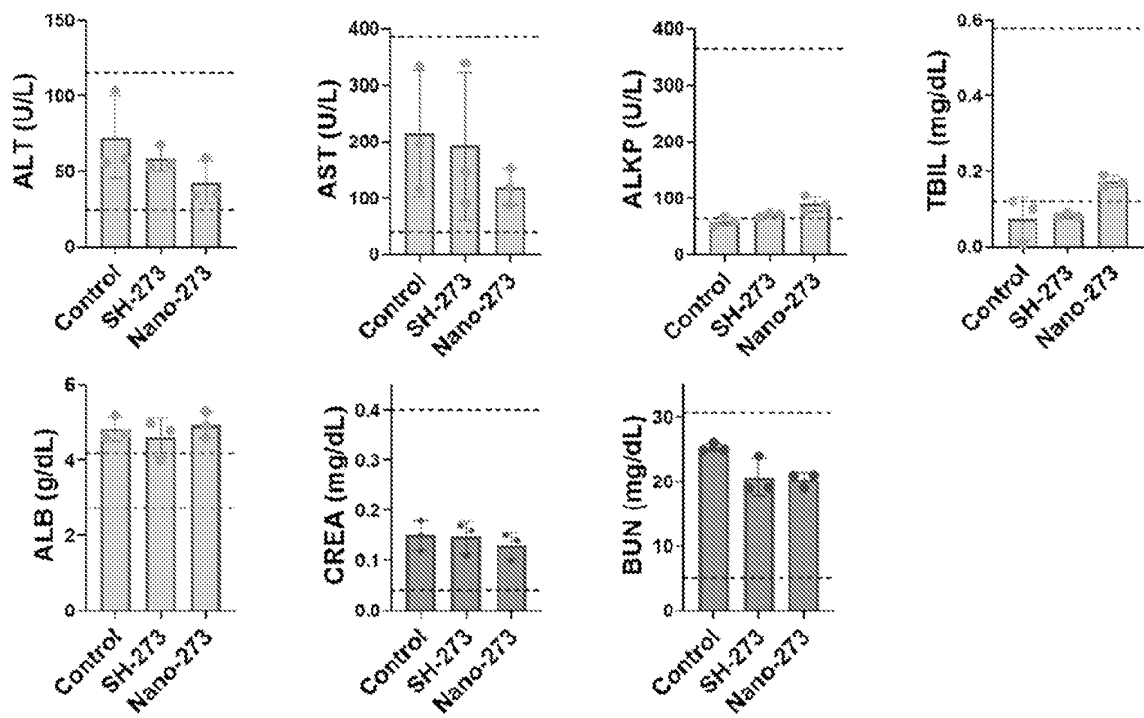


FIG. 35A

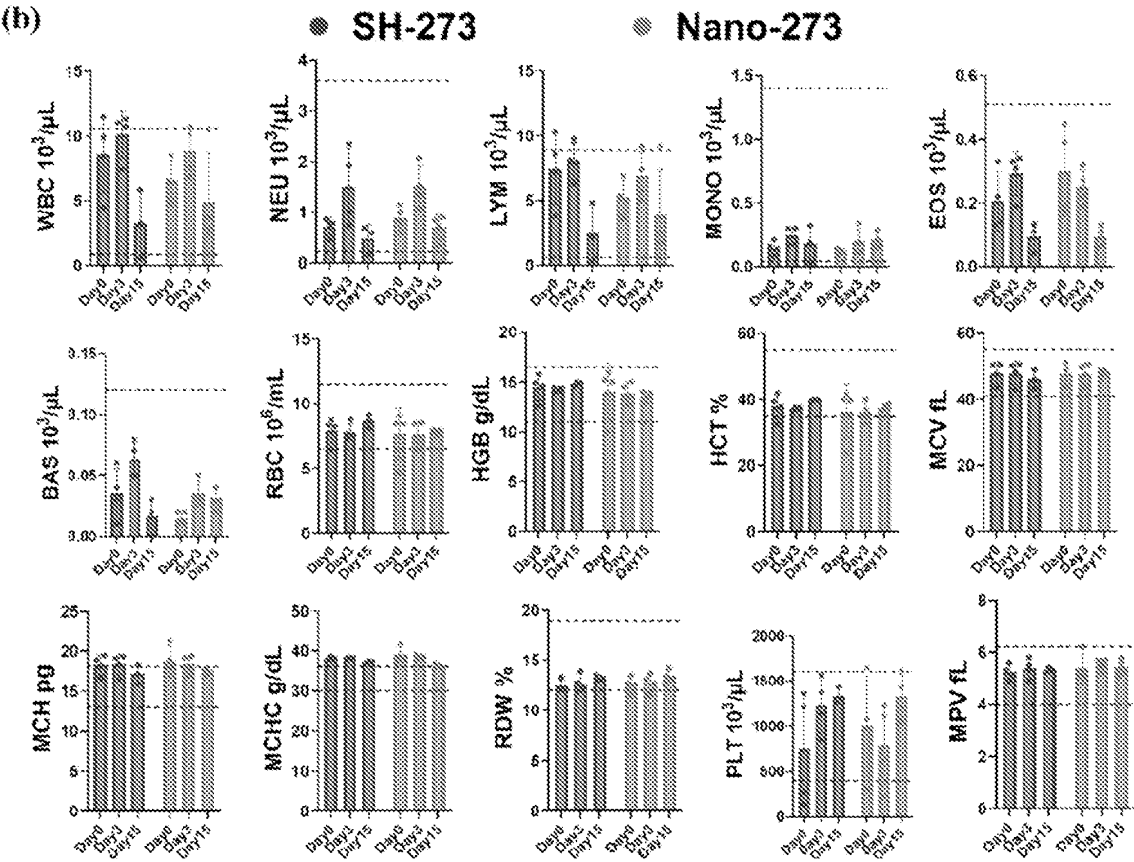


FIG. 35B

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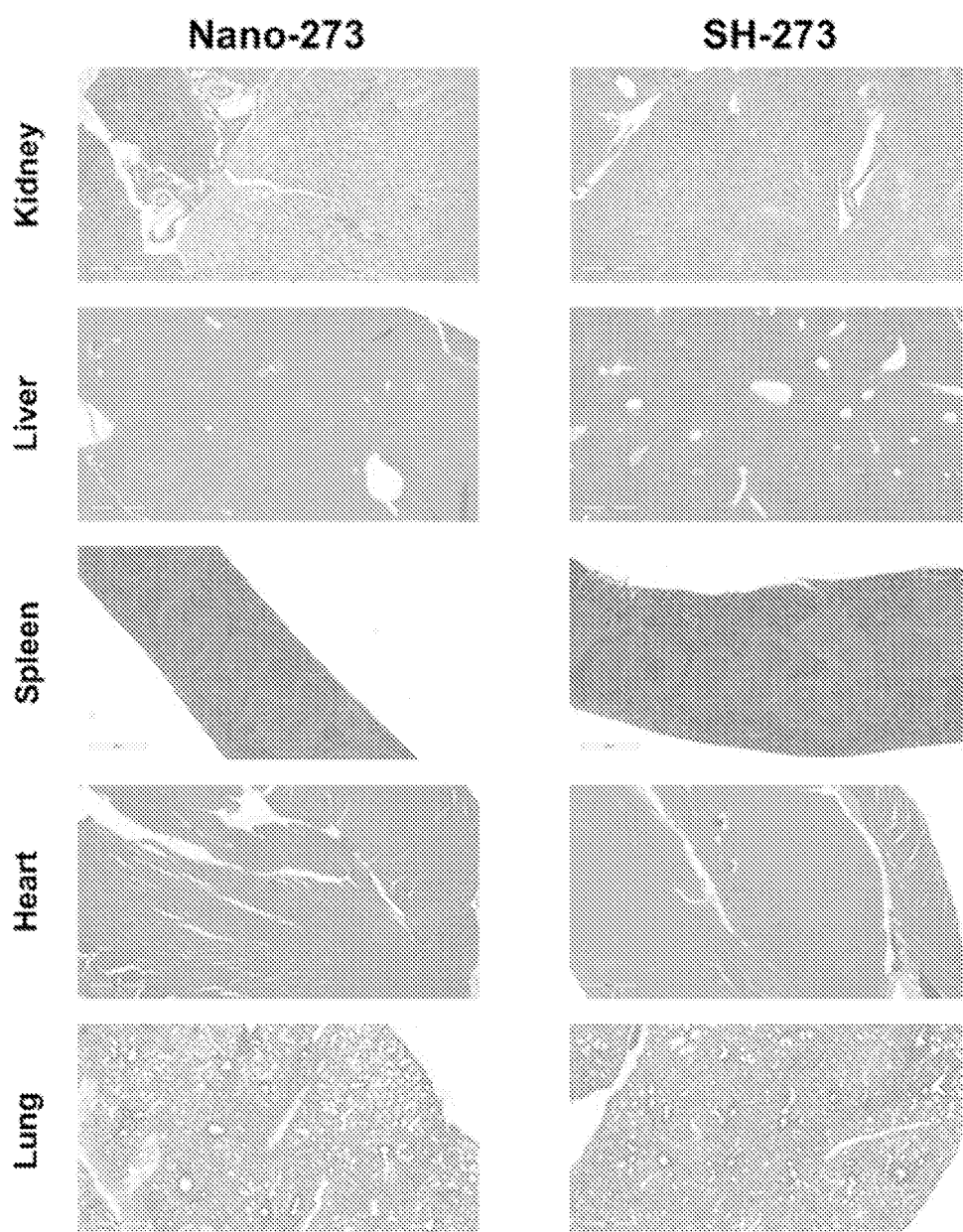


FIG. 36

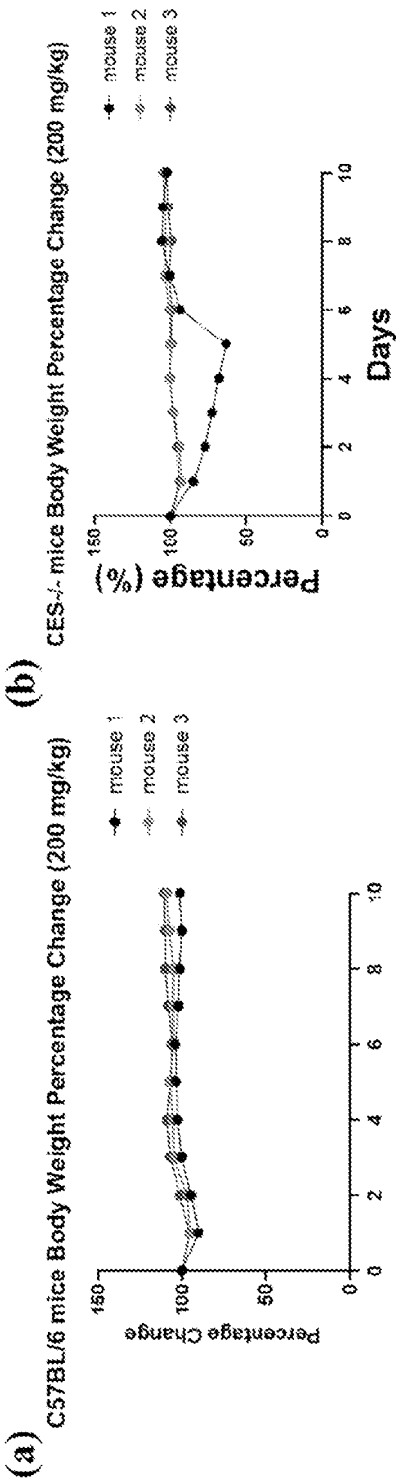


FIG. 37B

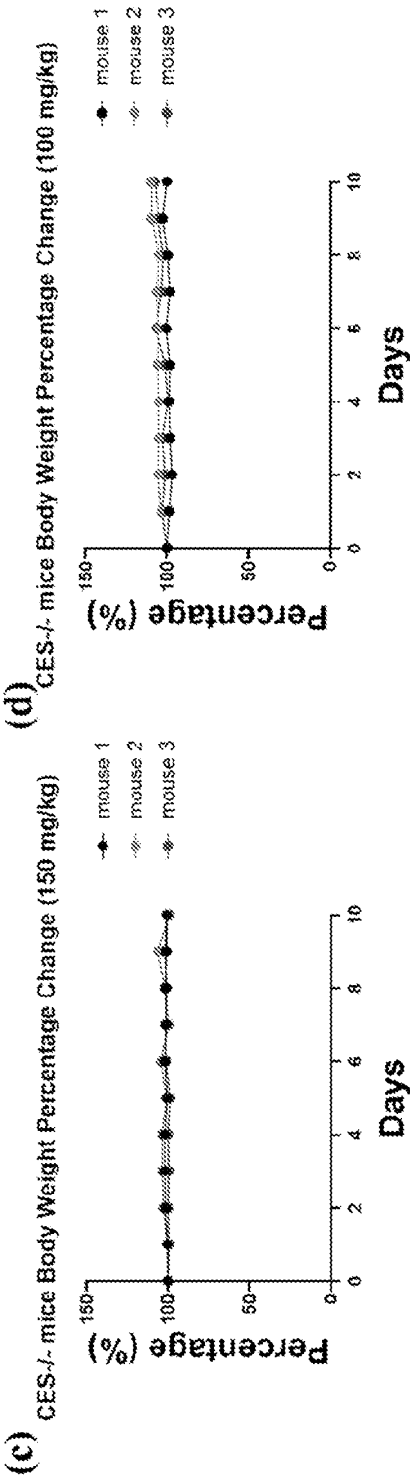


FIG. 37D

FIG. 37C

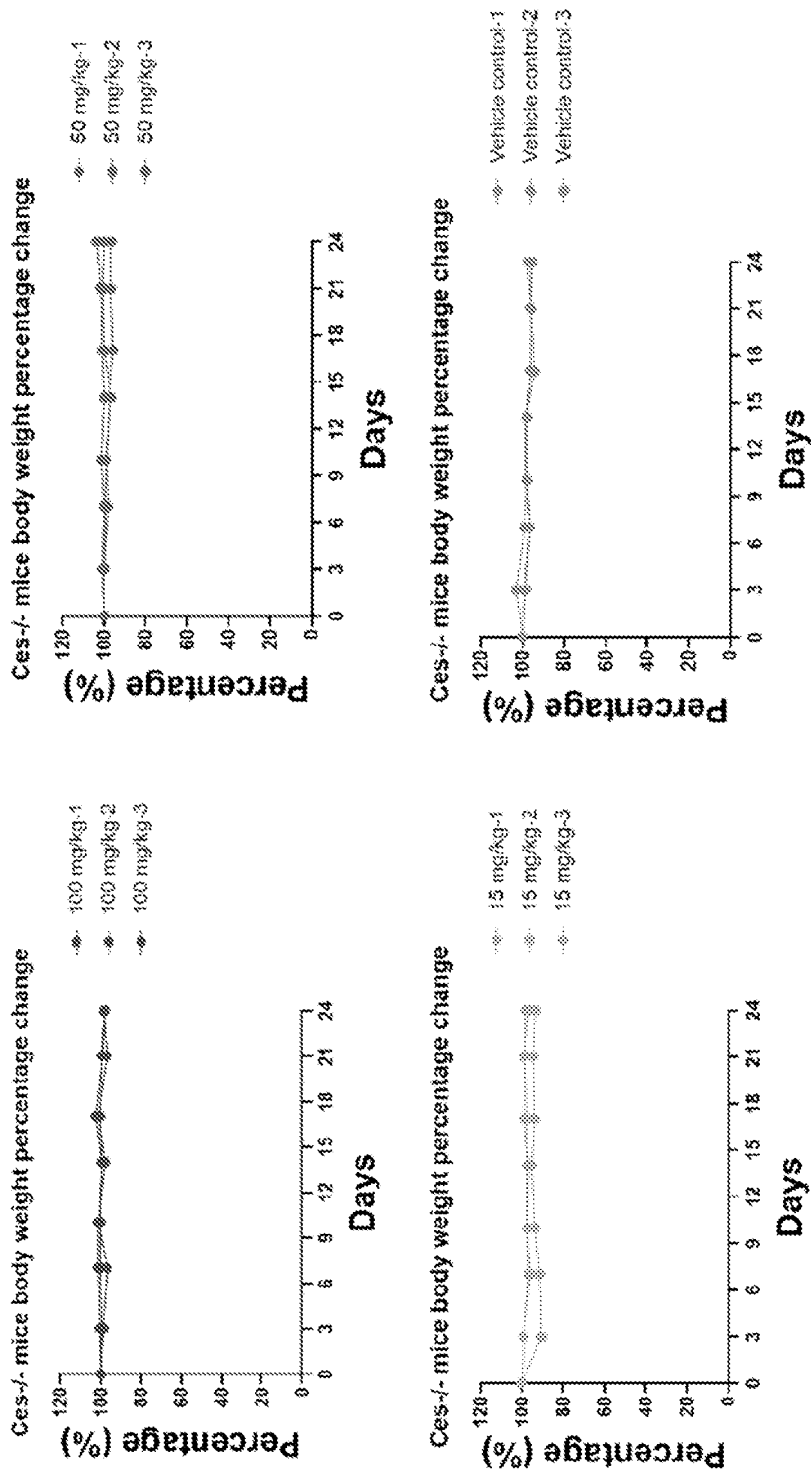


FIG. 37E

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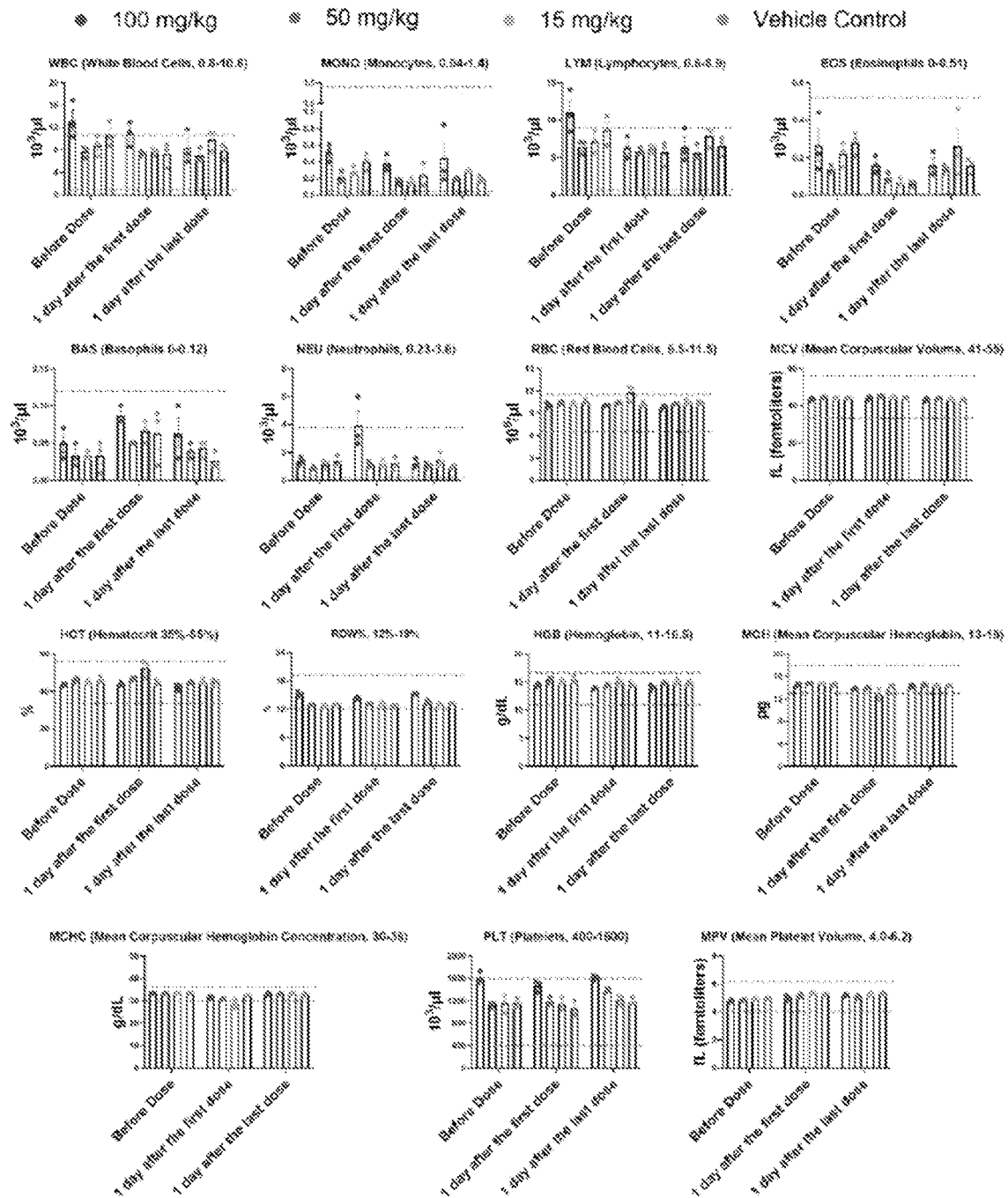


FIG. 38

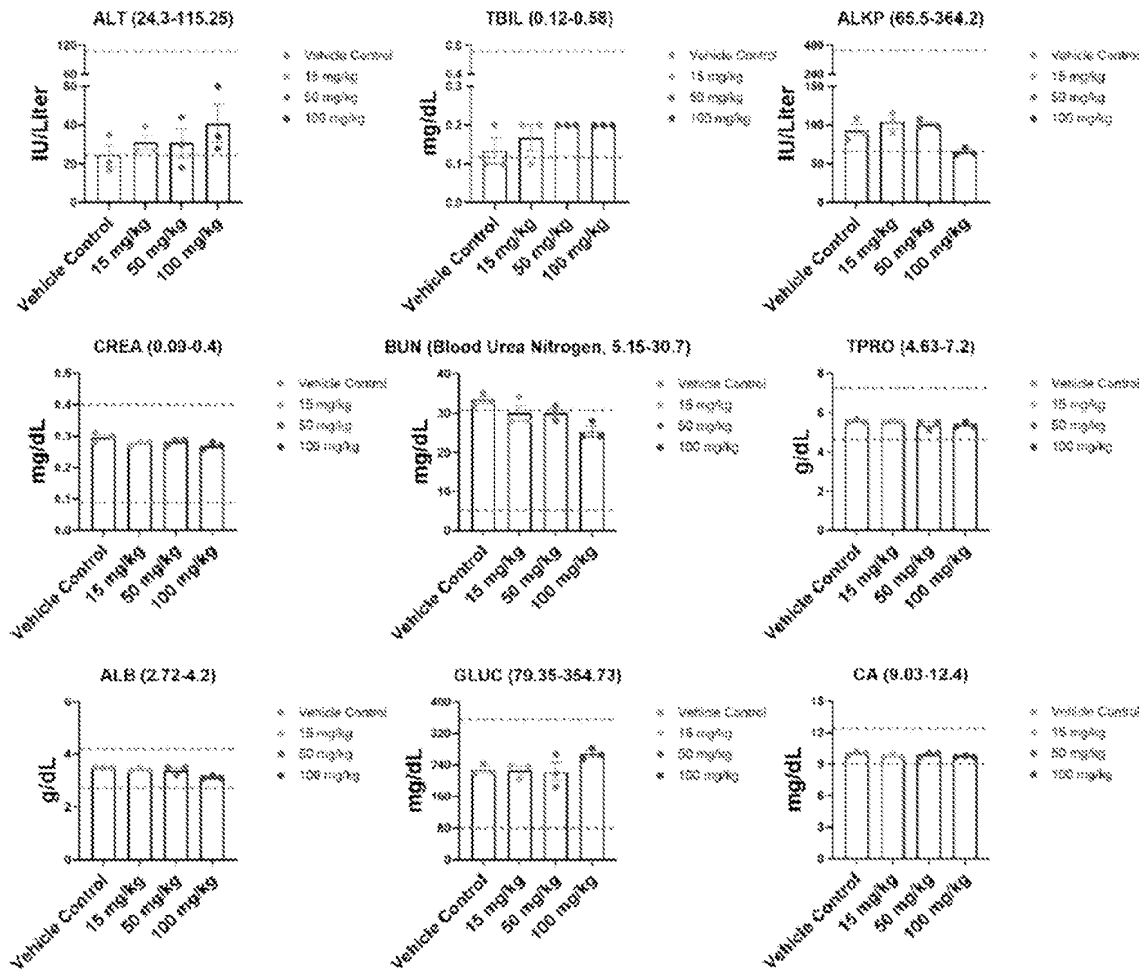


FIG. 39

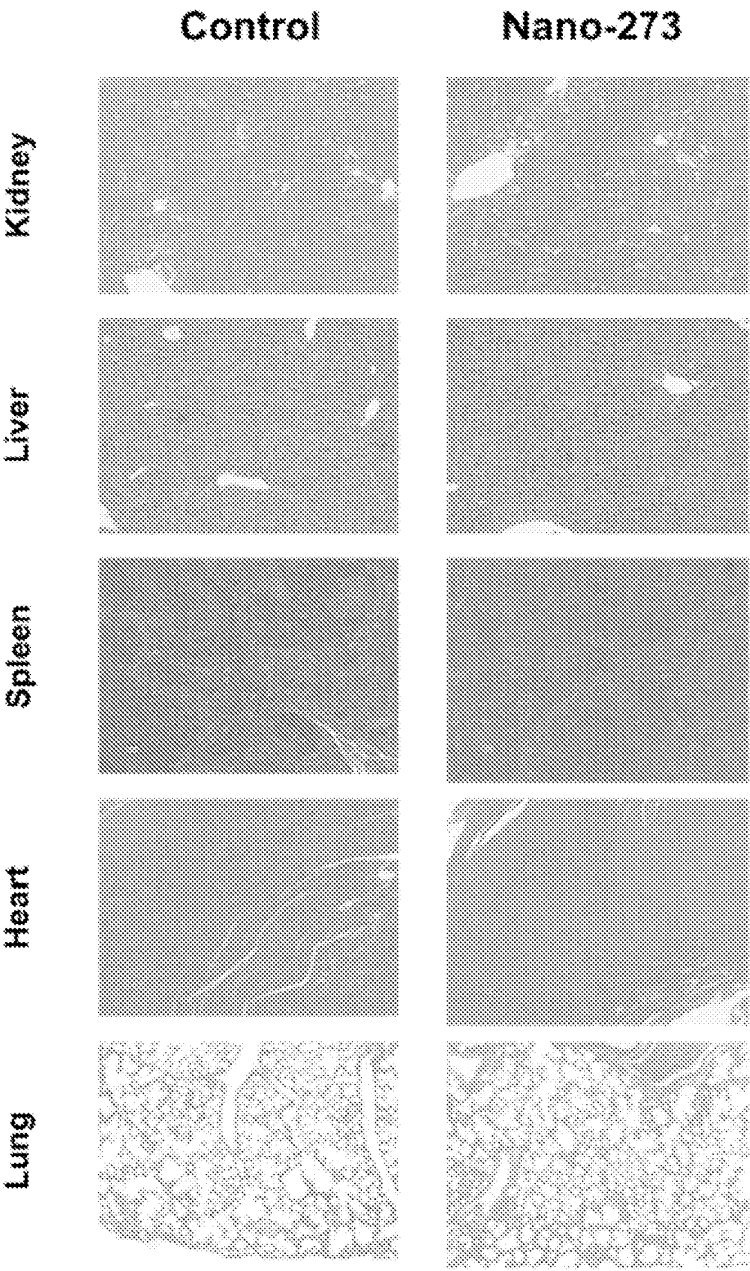


FIG. 40

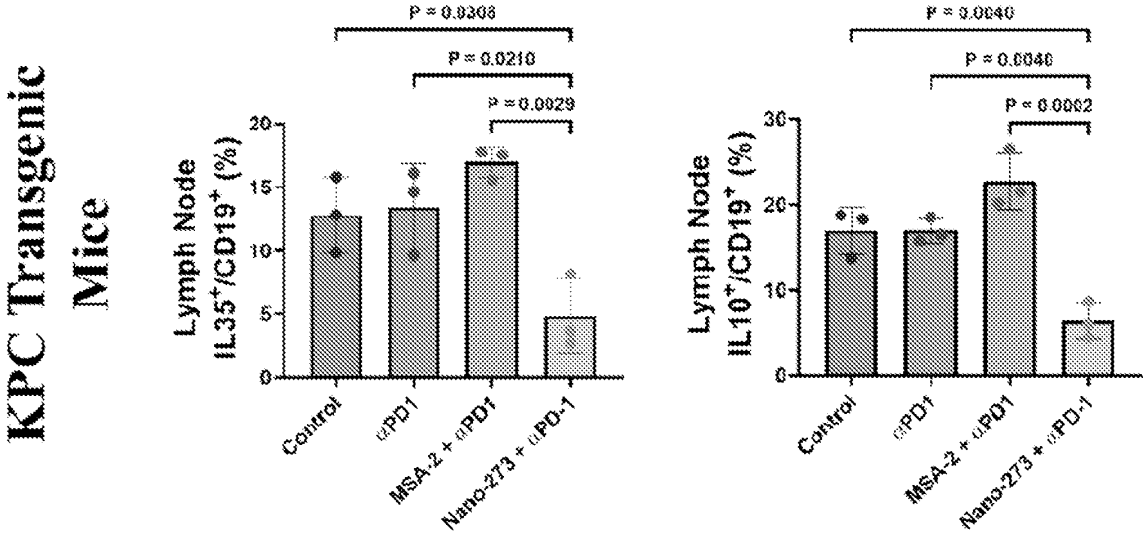


FIG. 41A

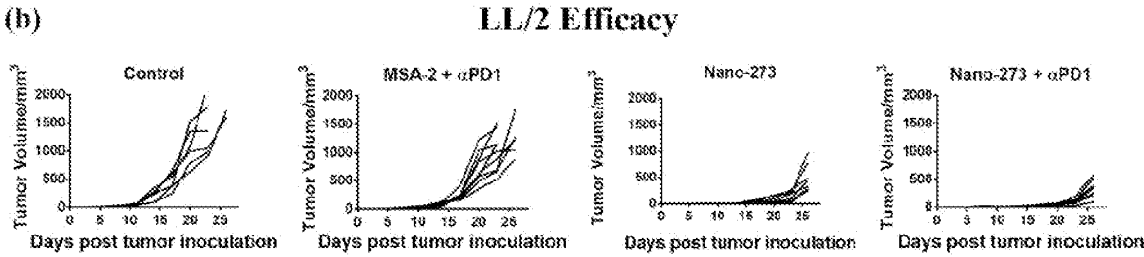


FIG. 41B

(c) LL/2 Efficacy

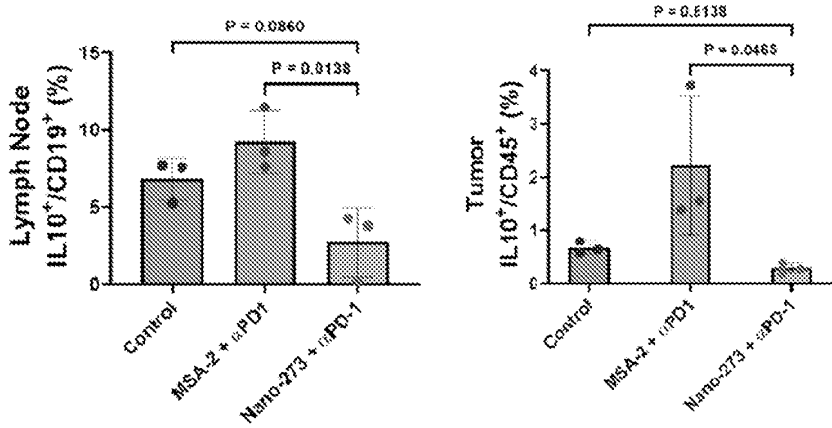


FIG. 41C

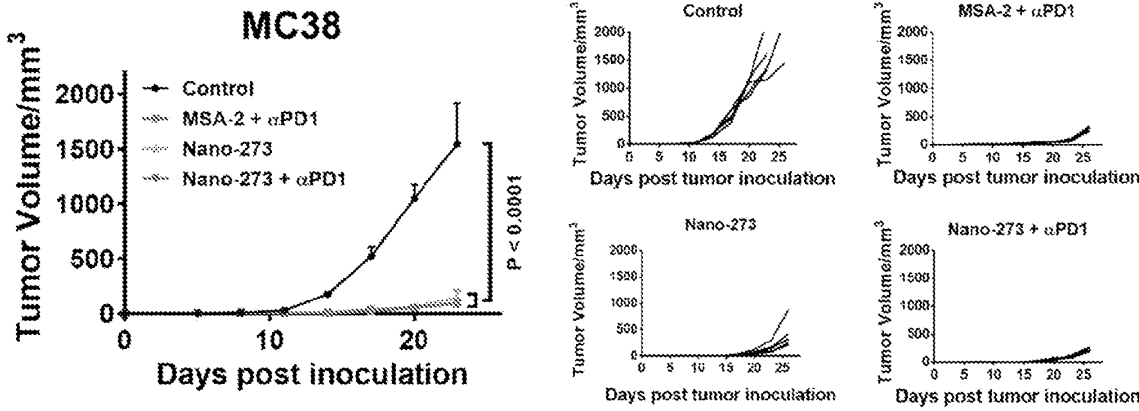


FIG. 42A

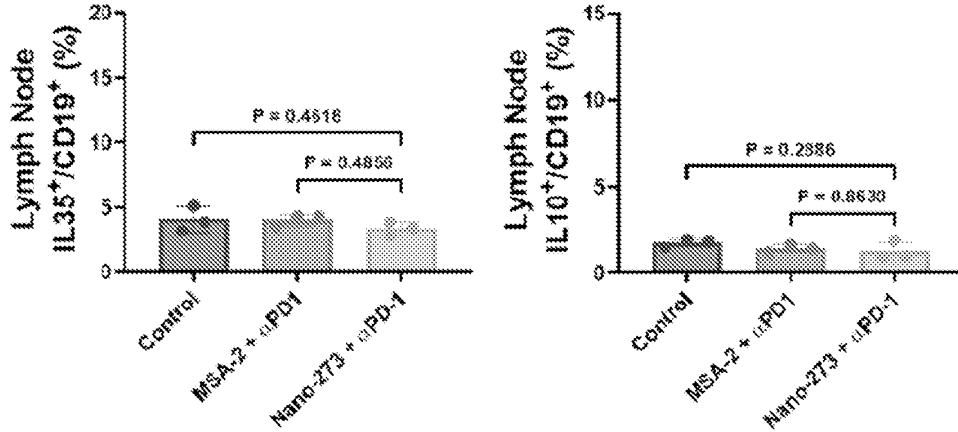


FIG. 42B

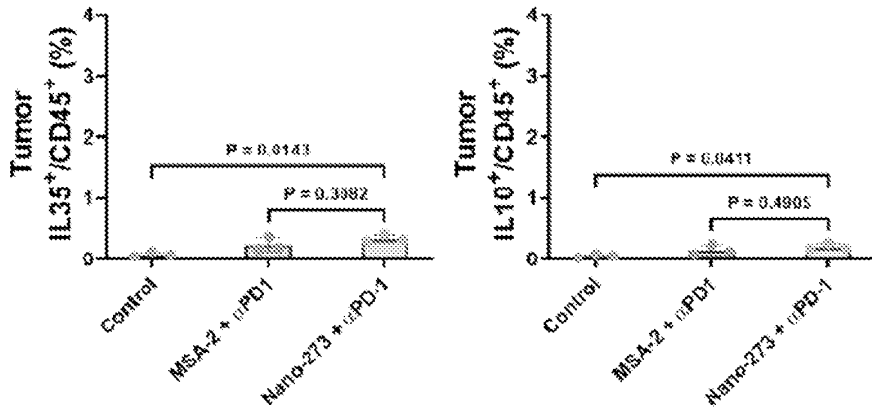


FIG. 42C

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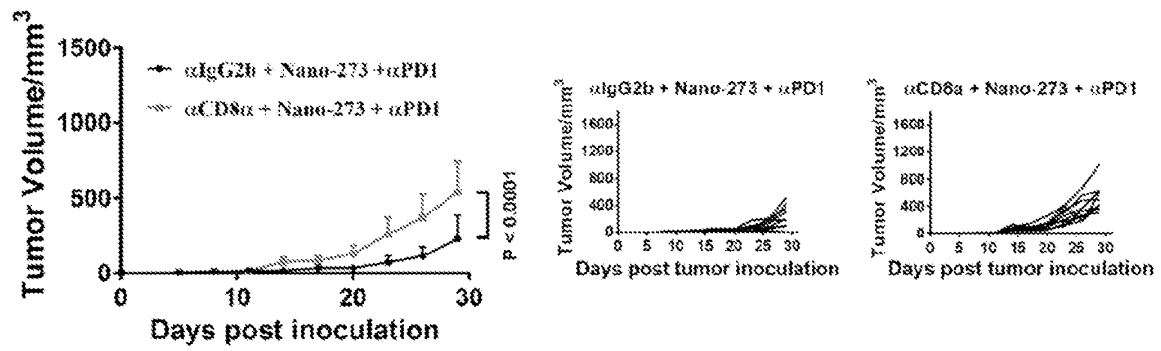


FIG. 42D