

```

VH  EVQLVESGGGLVQPGGSLRLSCAASGFTFTGCIHWVRQAFCPEKGLPWVSQISGAGDTYYADSVKGRFTISRDNSKNTLIQLNSLRAEPIAVVYCARERDVEDFDMQOCHLVTVYSS
ADG  <-----FW1-----><---HVR_H1---><---FW2---><---HVR_H2-----><---FW3-----><---HVR_H3---><---FW4----->
VH  EVQLVESGGGLVQPGGSLRLSCAASGFTFTGCIHWVRQAFCPEKGLPWVSQISGAGDTYYADSVKGRFTISRDNSKNTLIQLNSLRAEPIAVVYCARERDVEDFDMQOCHLVTVYSS
Kabat <-----FW1-----><---CDR1---><---FW2---><---CDR2---><---FW3-----><---CDR3---><---FW4----->

VL  DIQLTQSPSSLSASVGRVTITCRASQSVESVLAWYQKPKGKAPKLLIYDASNLSTGVPSPFSGSGSDFTLTISSLQPEDFAFYICQSYSTSHSTFGQSTKVEIKR
ADG  <-----FW1-----><---HVR_L1---><---FW2---><---HVR_L2---><---FW3-----><---HVR_L3---><---FW4----->
VL  DIQLTQSPSSLSASVGRVTITCRASQSVESVLAWYQKPKGKAPKLLIYDASNLSTGVPSPFSGSGSDFTLTISSLQPEDFAFYICQSYSTSHSTFGQSTKVEIKR
Kabat <-----FW1-----><---CDR1---><---FW2---><---CDR2---><---FW3-----><---CDR3---><---FW4----->

```

FIG. 1A

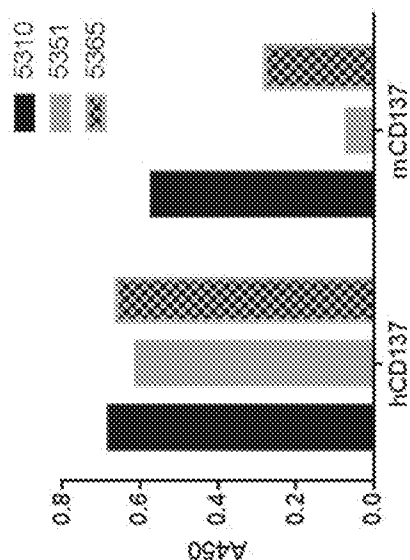


FIG. 1B

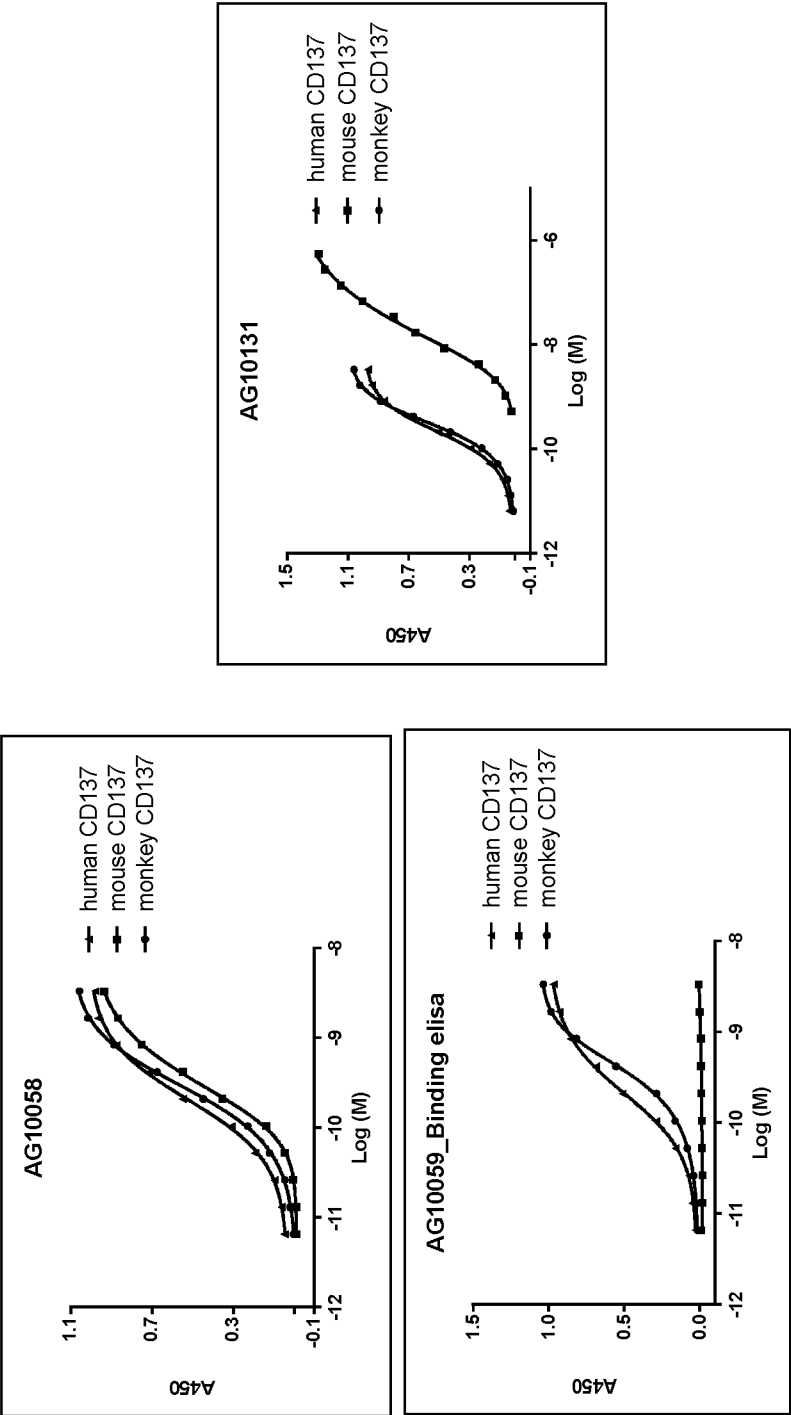


FIG. 2

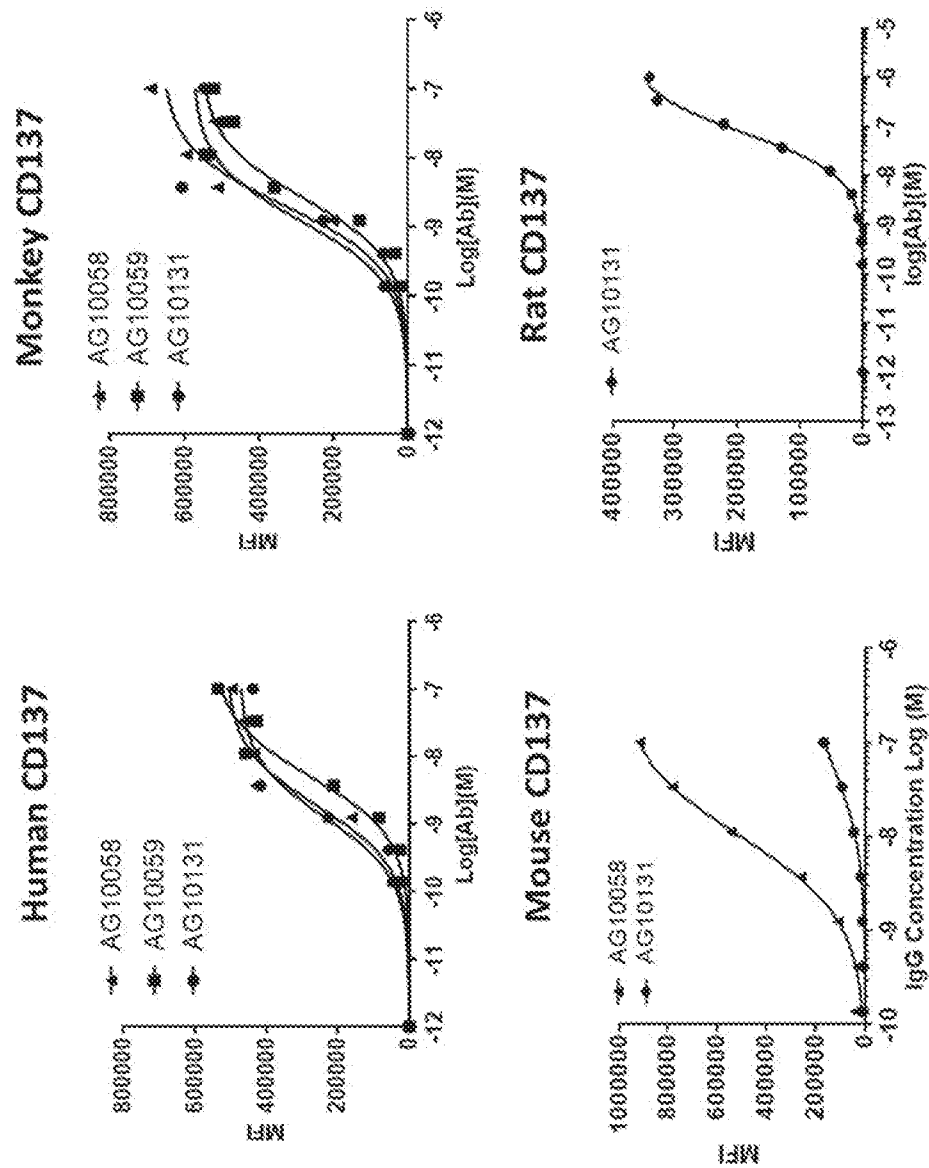


FIG. 3A

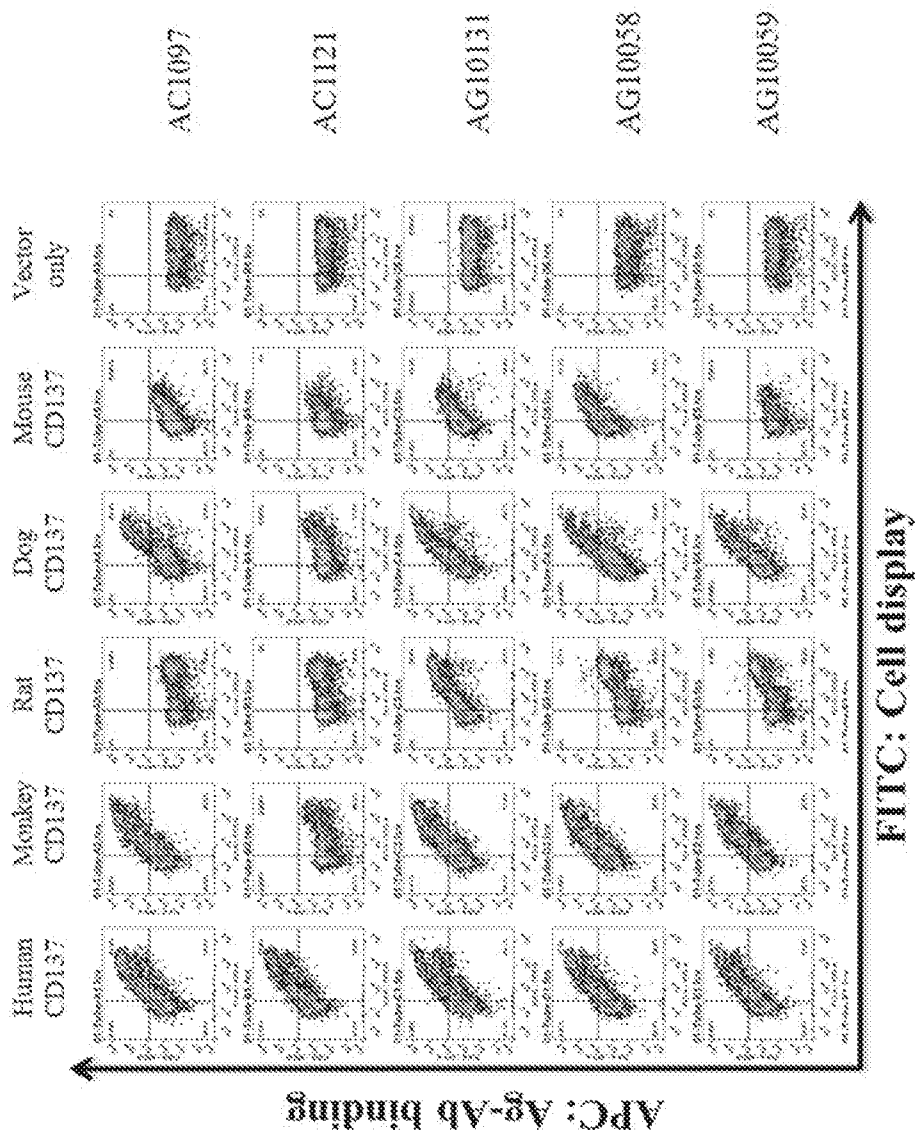


Figure 3B. Species cross-reactivity

FIG. 3B

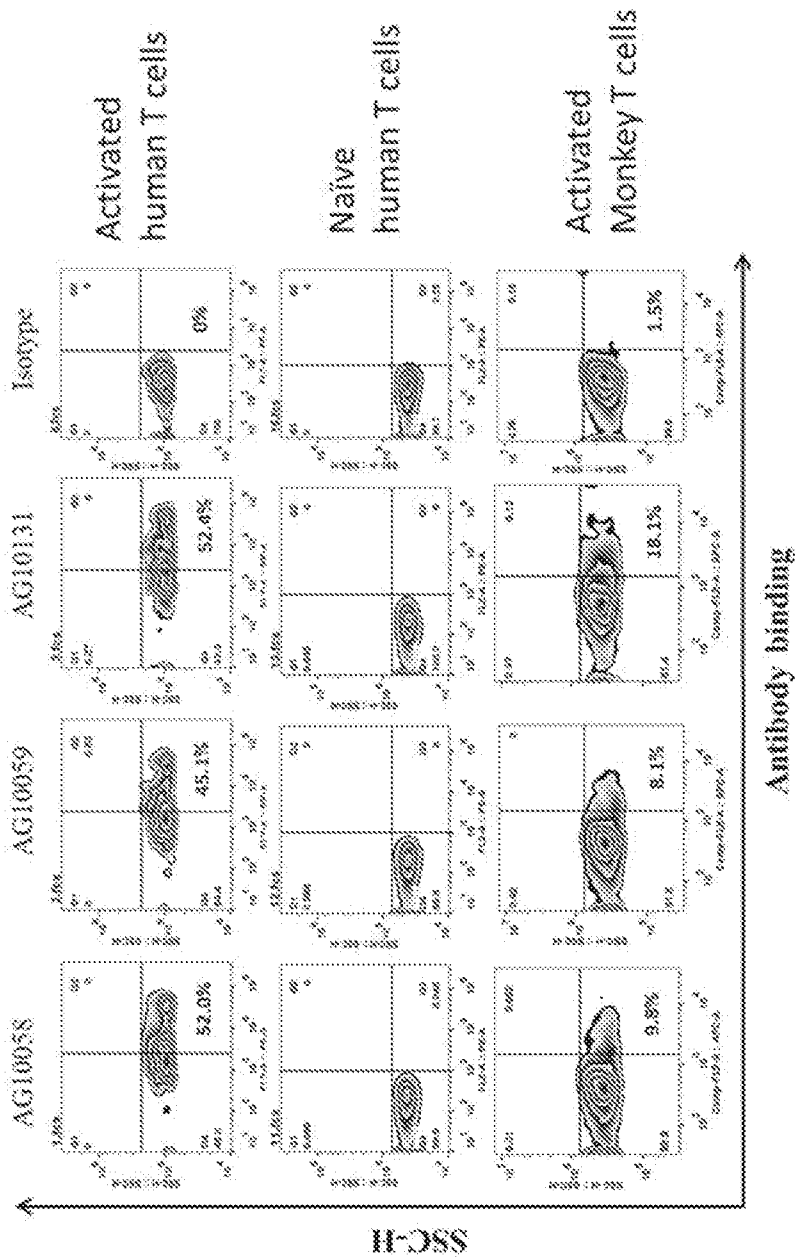


FIG. 4A

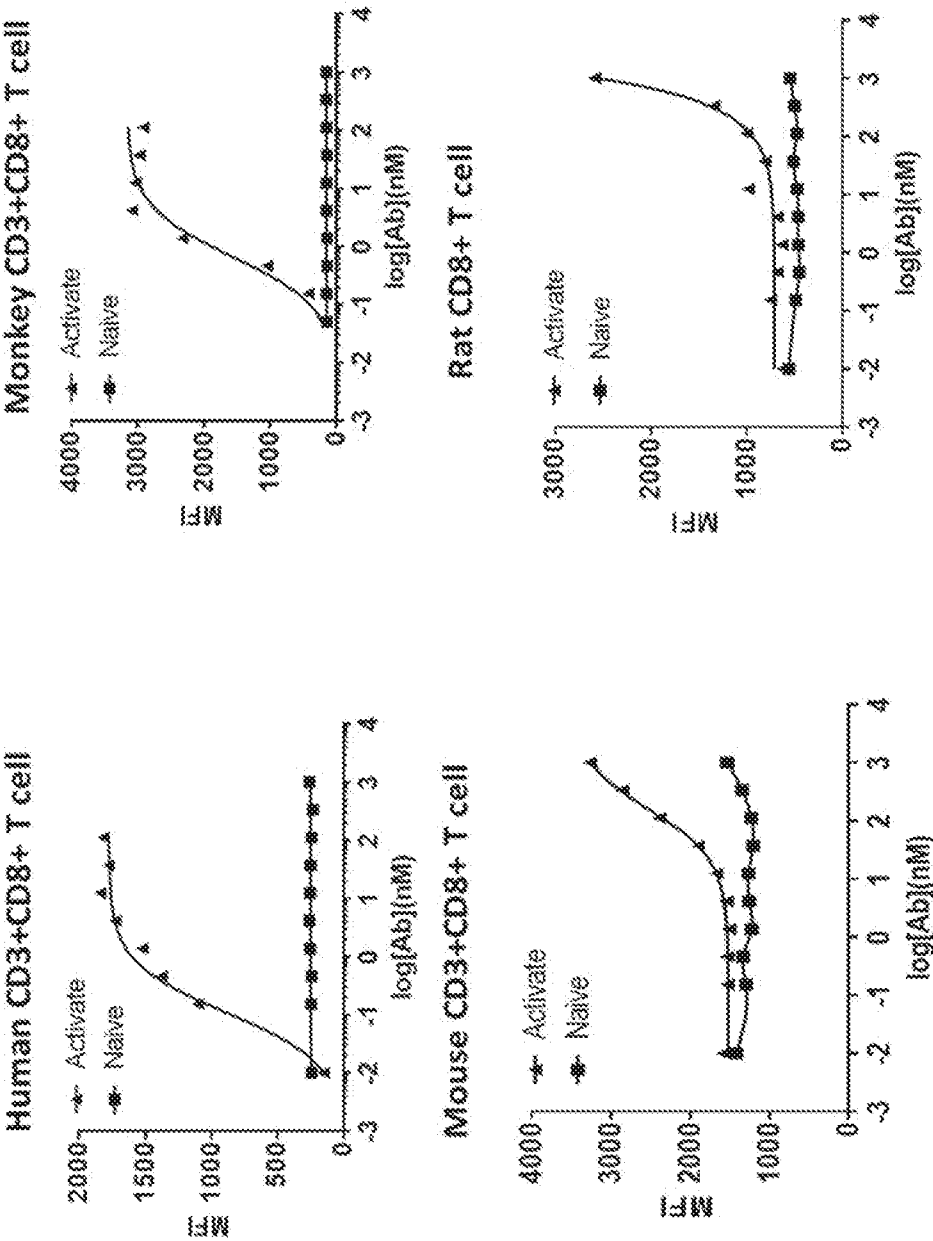


FIG. 4B

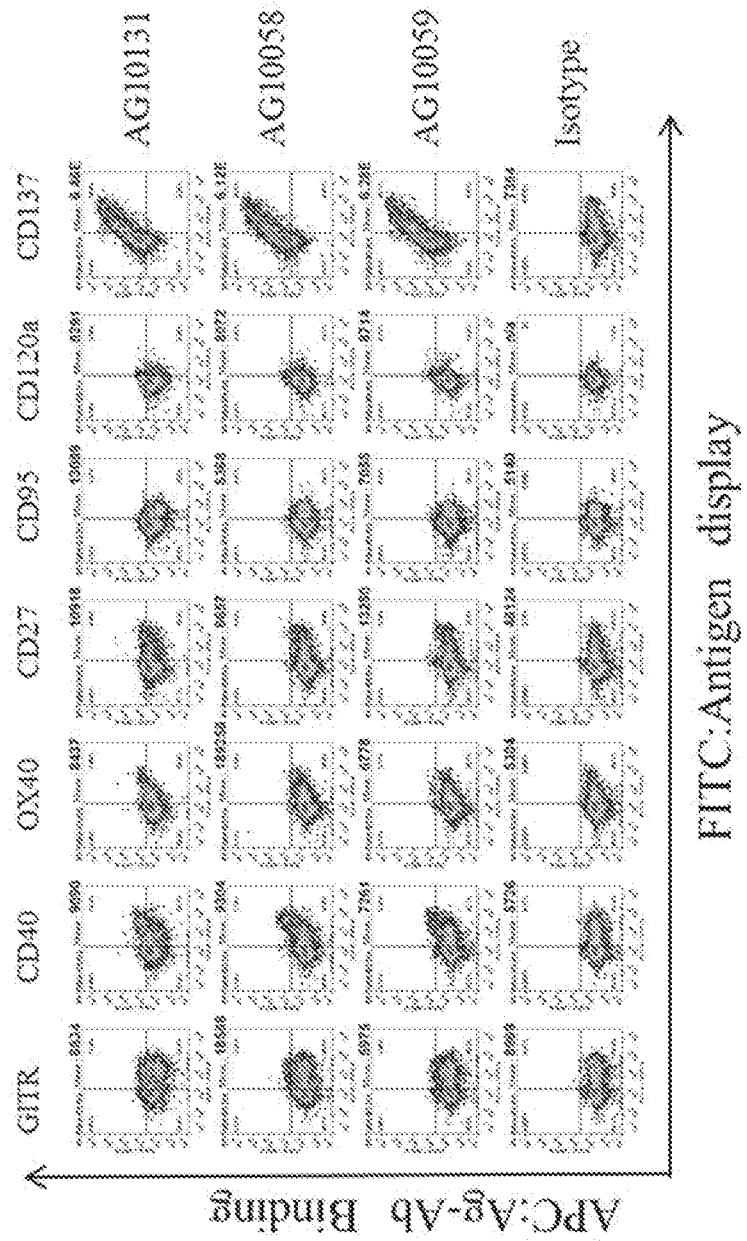


FIG. 5

FIG. 6A

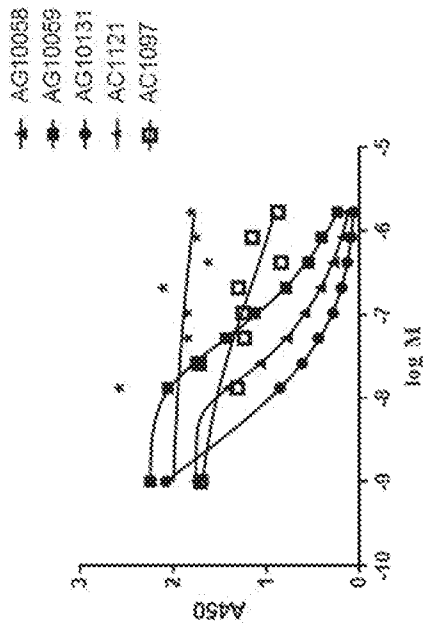
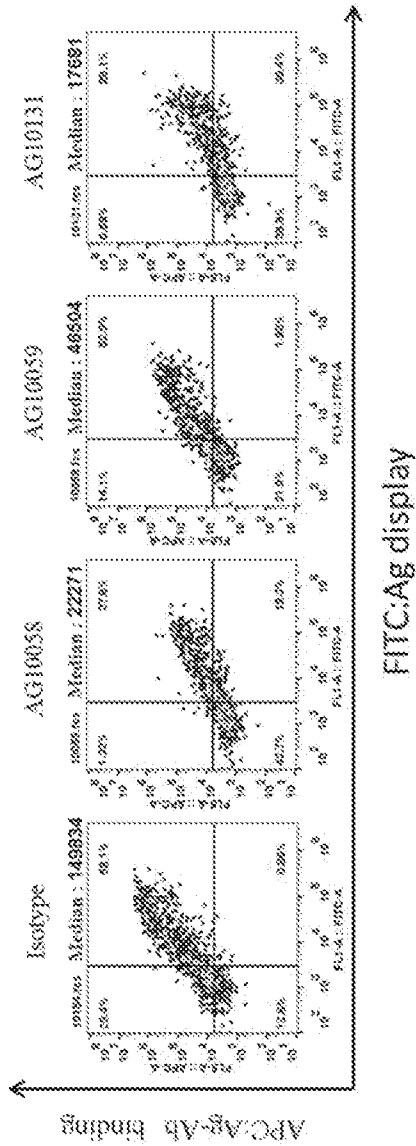


FIG. 6B



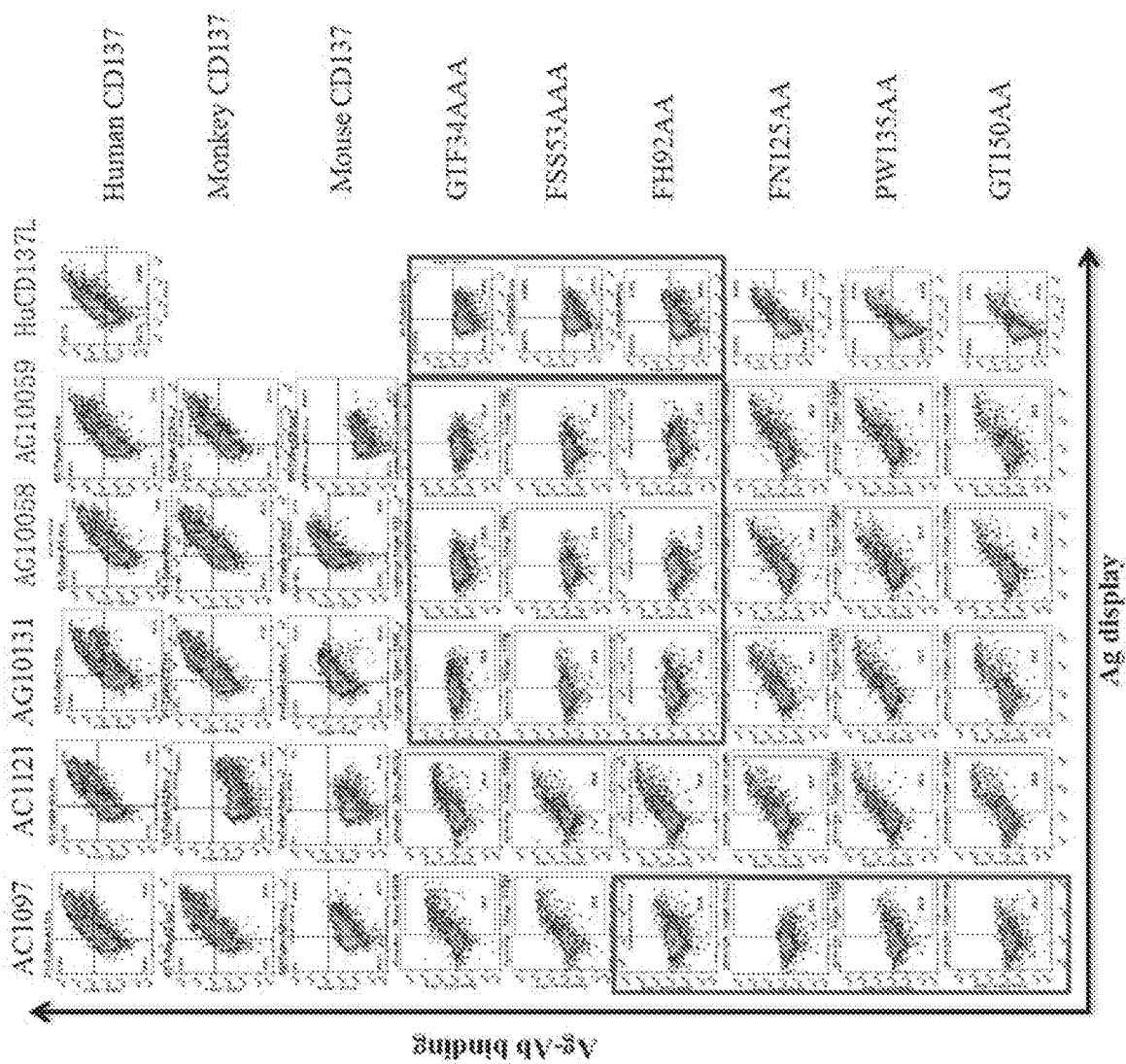


Fig. 7A

20

MGNSCYNIVATLLVLNFEETRSLQDPCSNCPAGTFCDNNRNQICPCPPNSTSSAGGQR
 -----LQDLCSNCPAGTFCDNNRSQICPCPPNSTSSAGGQR
 -----VQNSCDNCQPGTFCK--YNPVCSCPPSTSSIGGQP
 MGNNCYNVVVIVLLVGCEKVGAM***.***.***.***.***.***.***.***

T T C D I C R Q C K G V E R T R K E C S S T S N A E C D C T P G F H C L G A C S M C E Q D C K Q G Q E L T R K G C R D C
 T T C D I C R Q C K G V E R T R K E C S S T S N A E C D C I S G Y H C L G A E C S M C E Q D C K Q G Q E L T R K G C R D C
 T T C D I C R V C A G Y E R F K E C S S T H N A E C E C I E G F H C L G P Q C T R C E K D C R P G Q E L T R K G C R T C

CCEGT FNDQK-RGICRPNWNCSLDGKSVLVNGTKERDVVCGPSPADLSFGASSVTPPEAPAR
 CCEGT FNDQK-RGICRPNWNCSLDGKSVLVNGTKERDVVCGPSPADLSFGASSATPPAPAR
 SLGT FNDQGTGVCRRPNWNCSLDGRSVLVKGTTEKDVVCGPPVVSFSPSTISVTP-EGG

20

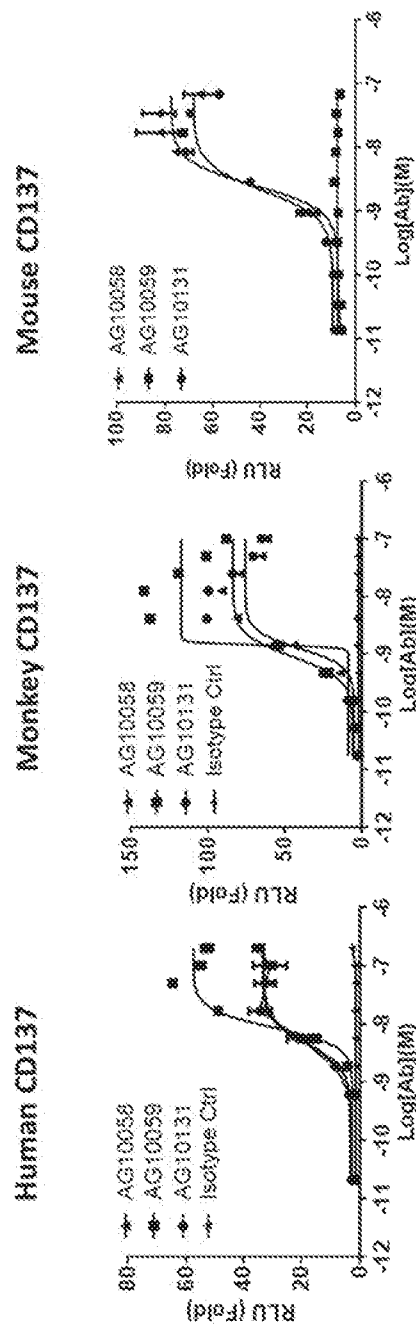


FIG. 8

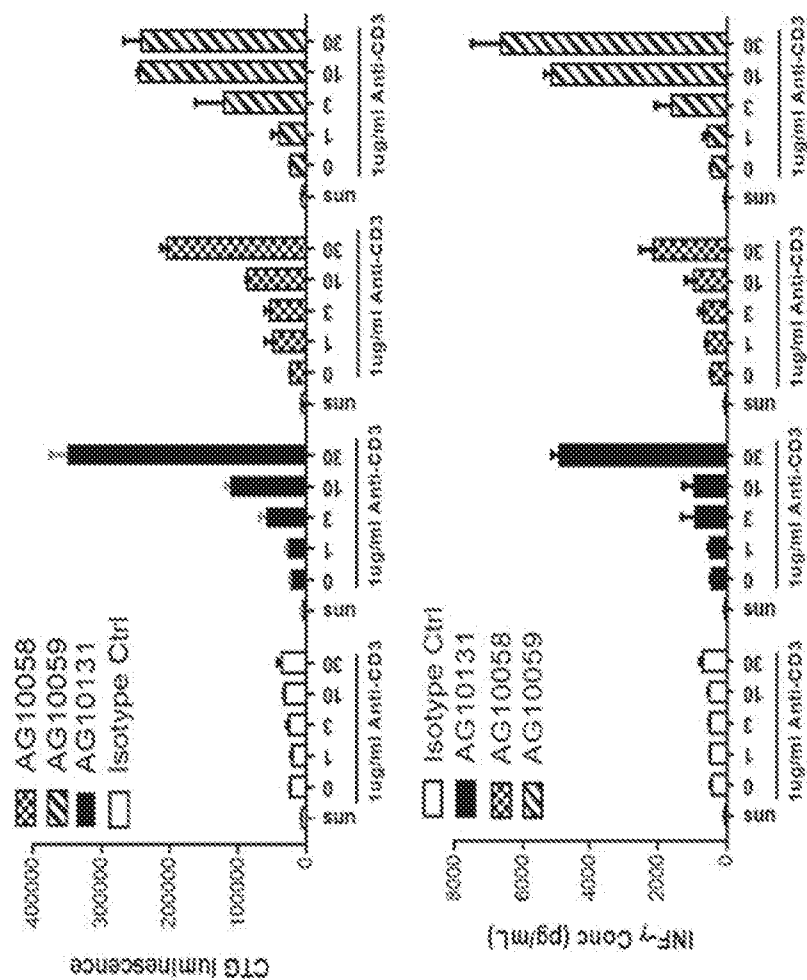


FIG. 9

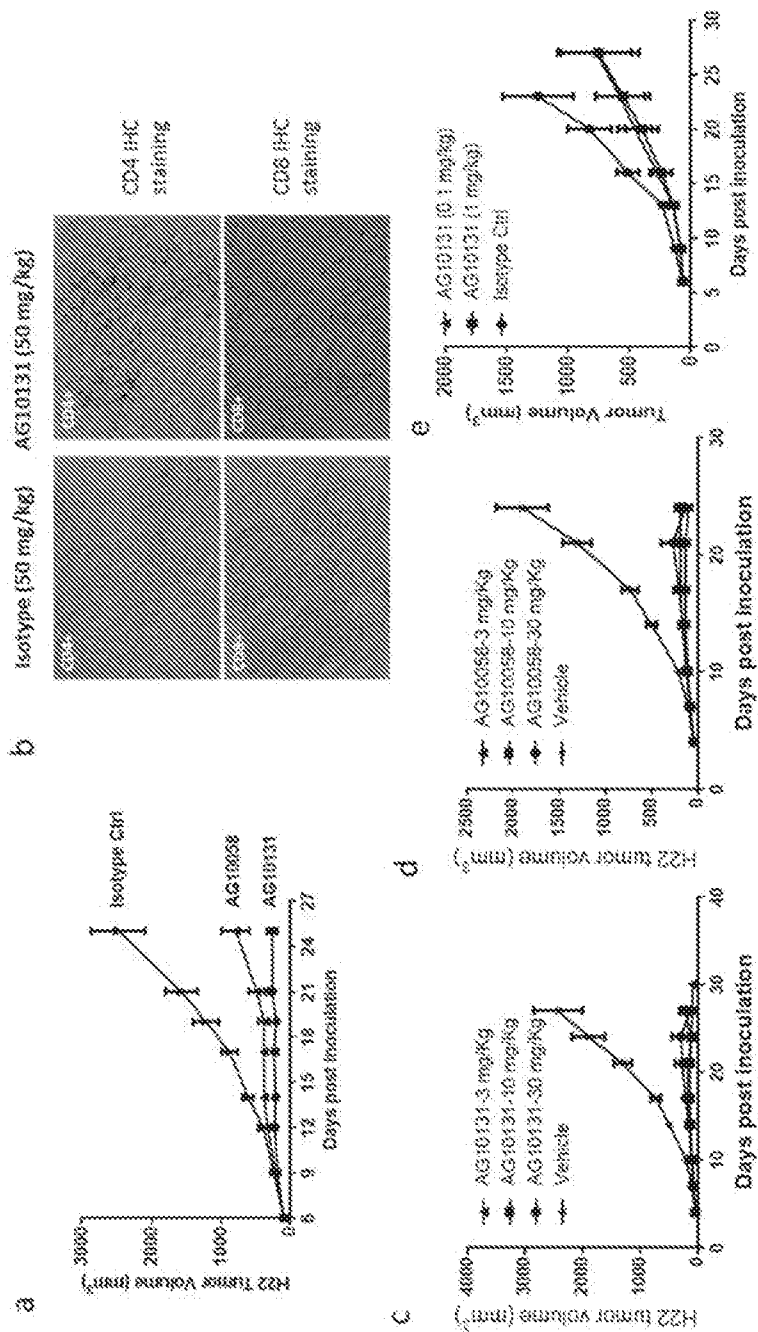


FIG. 10

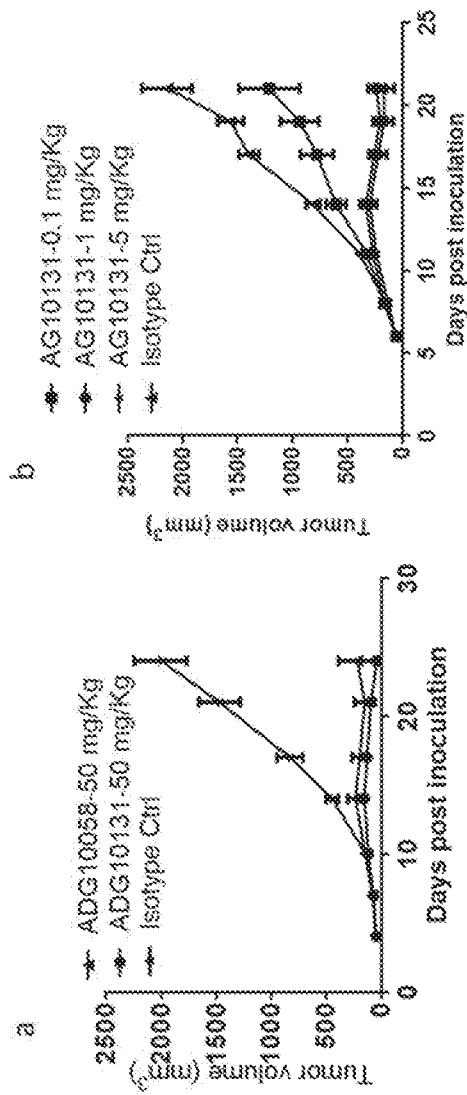


FIG. 11

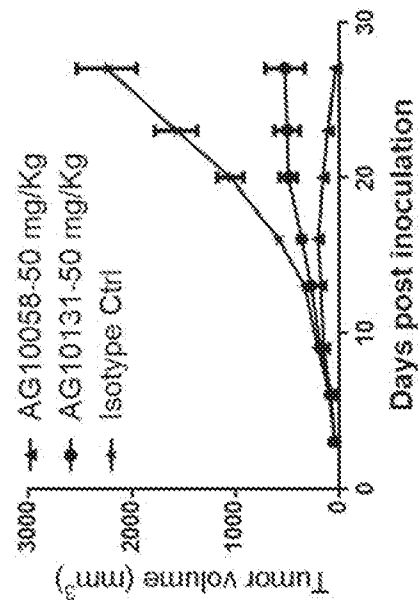


FIG. 12

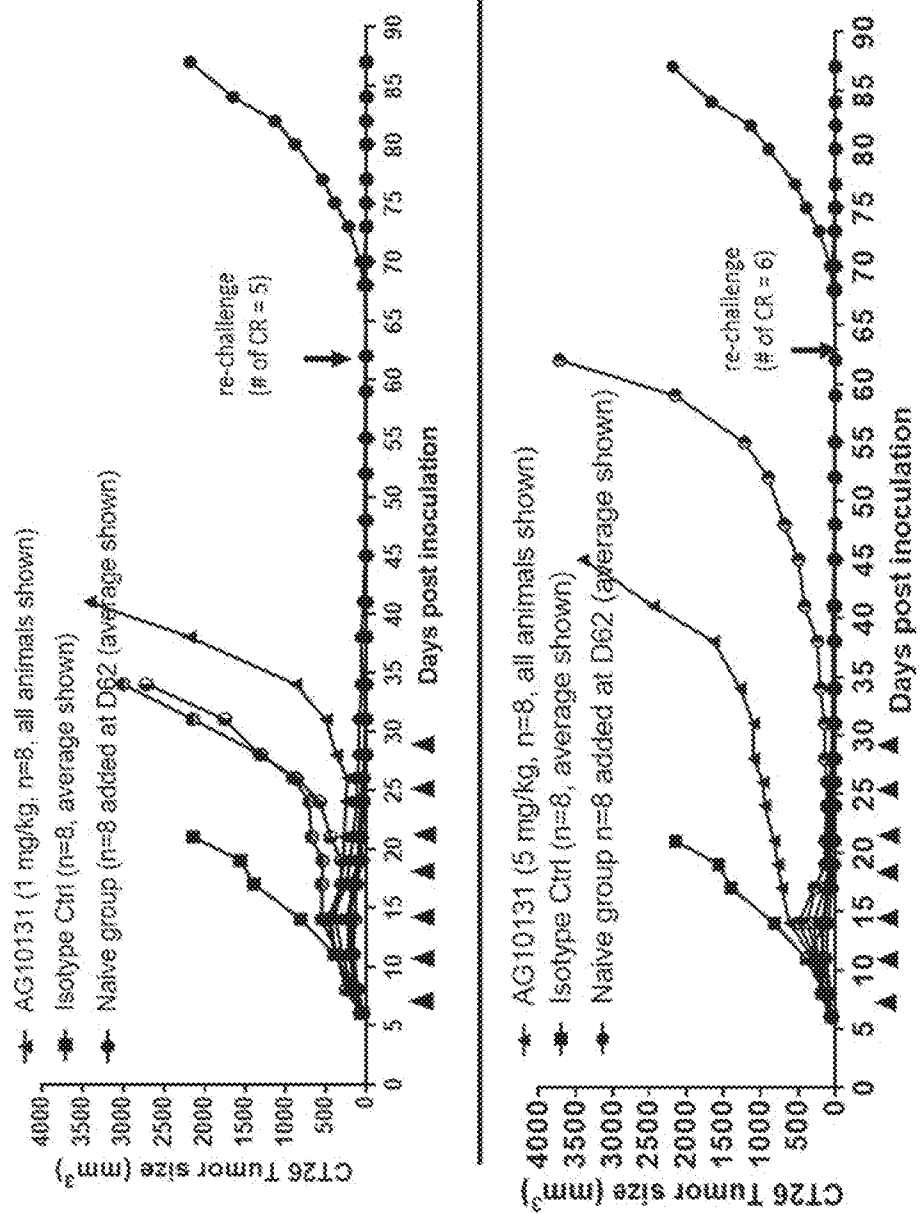


FIG. 13

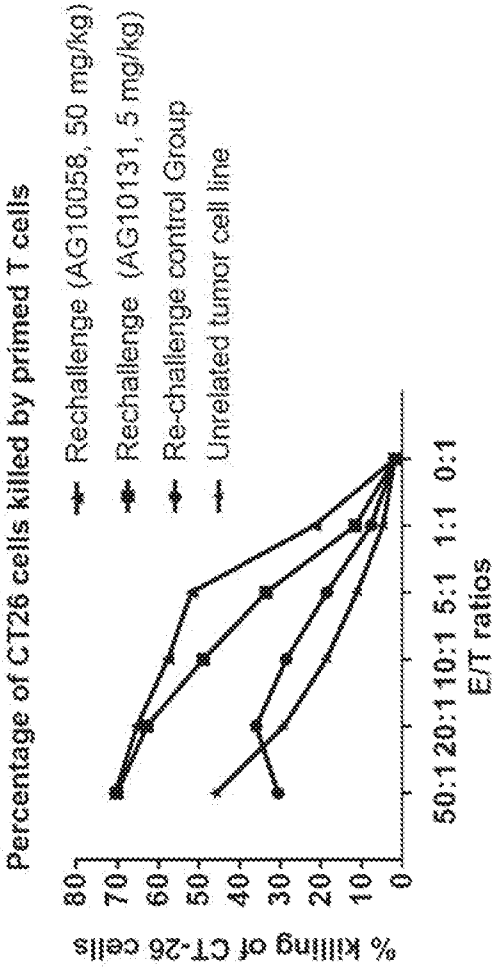


FIG. 14

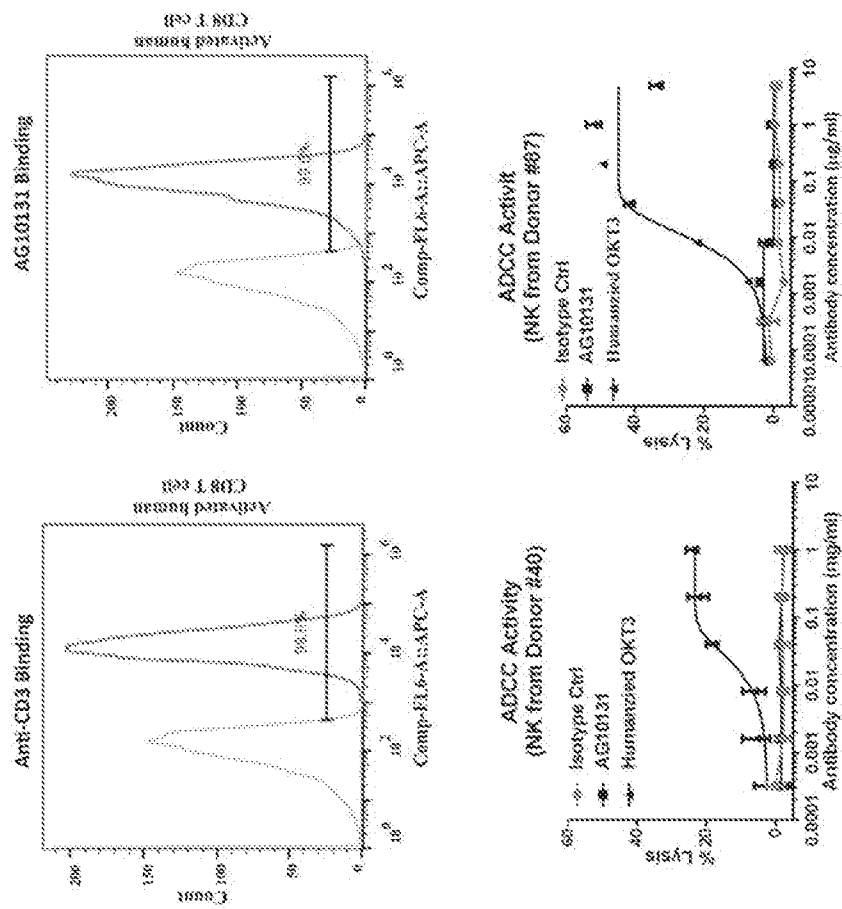


FIG. 15

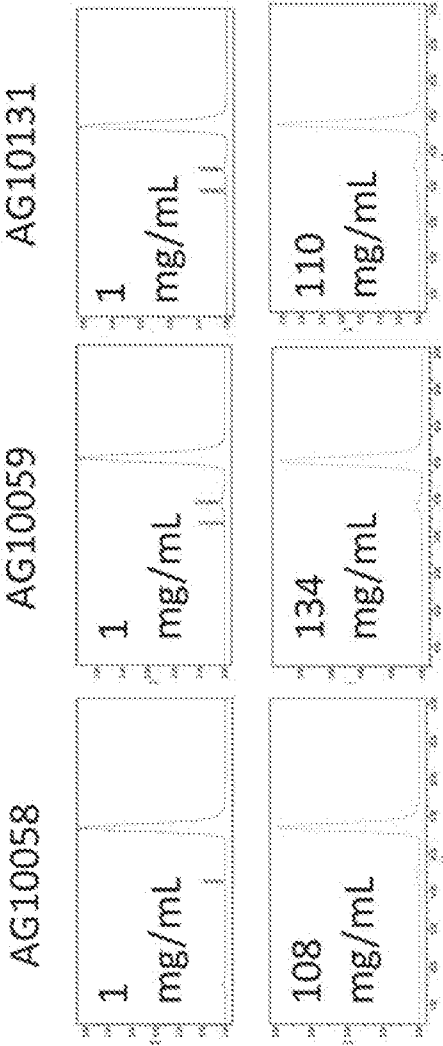


FIG. 16

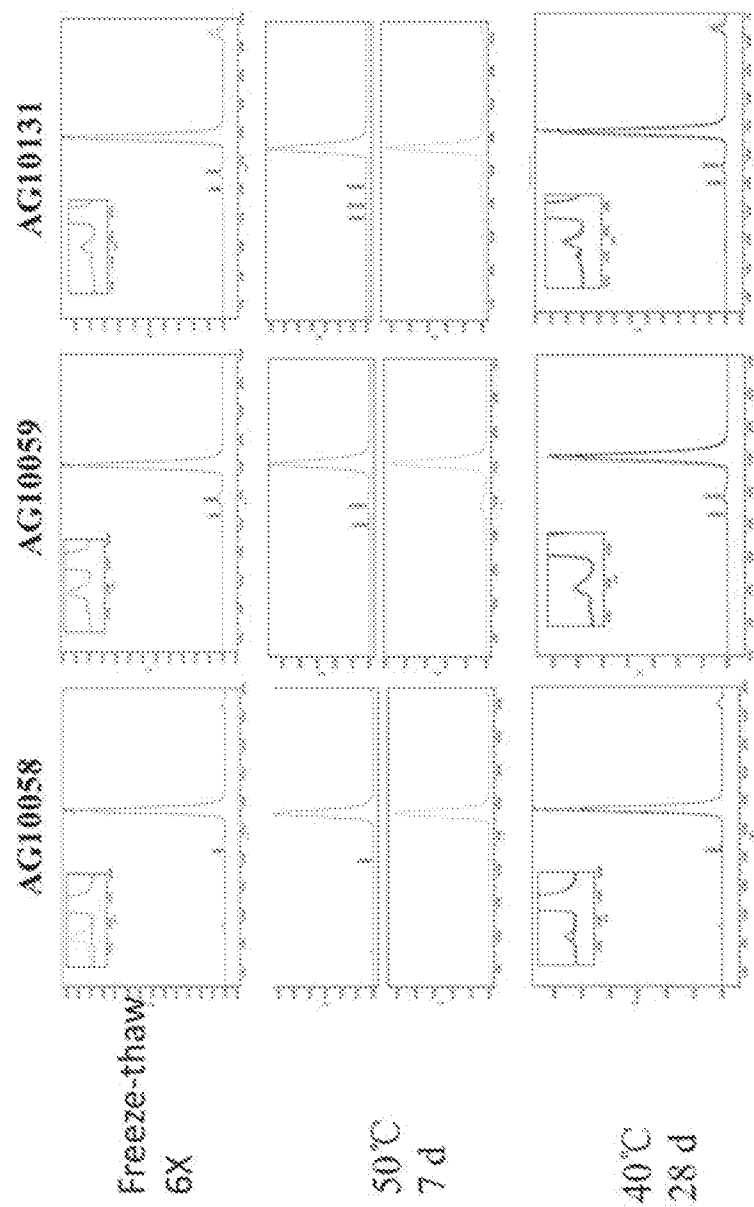


FIG. 17

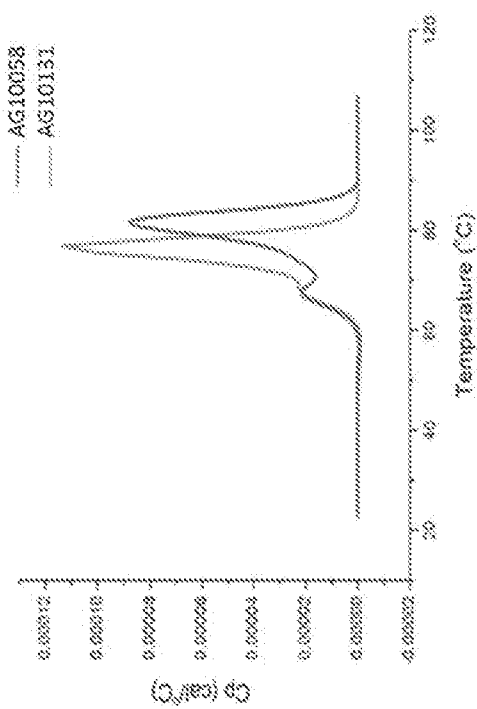


FIG. 18

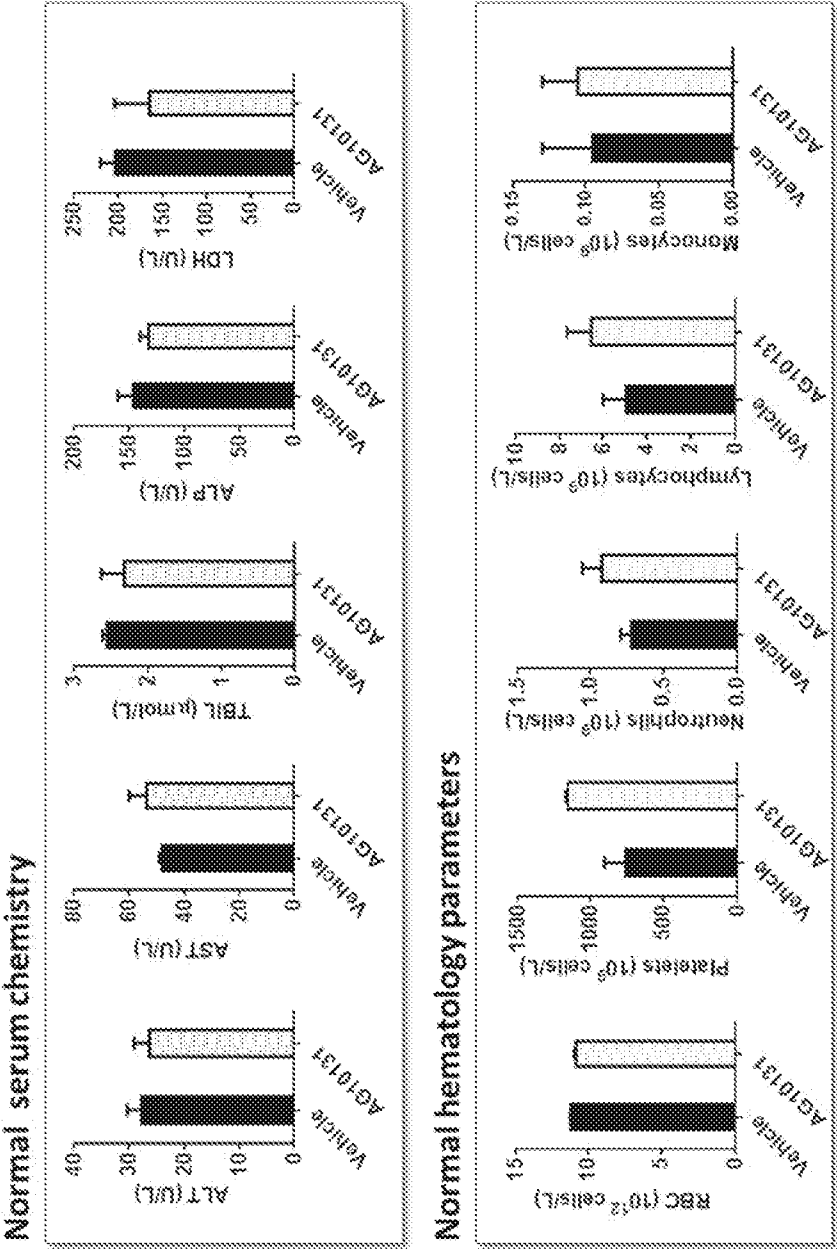


FIG. 19

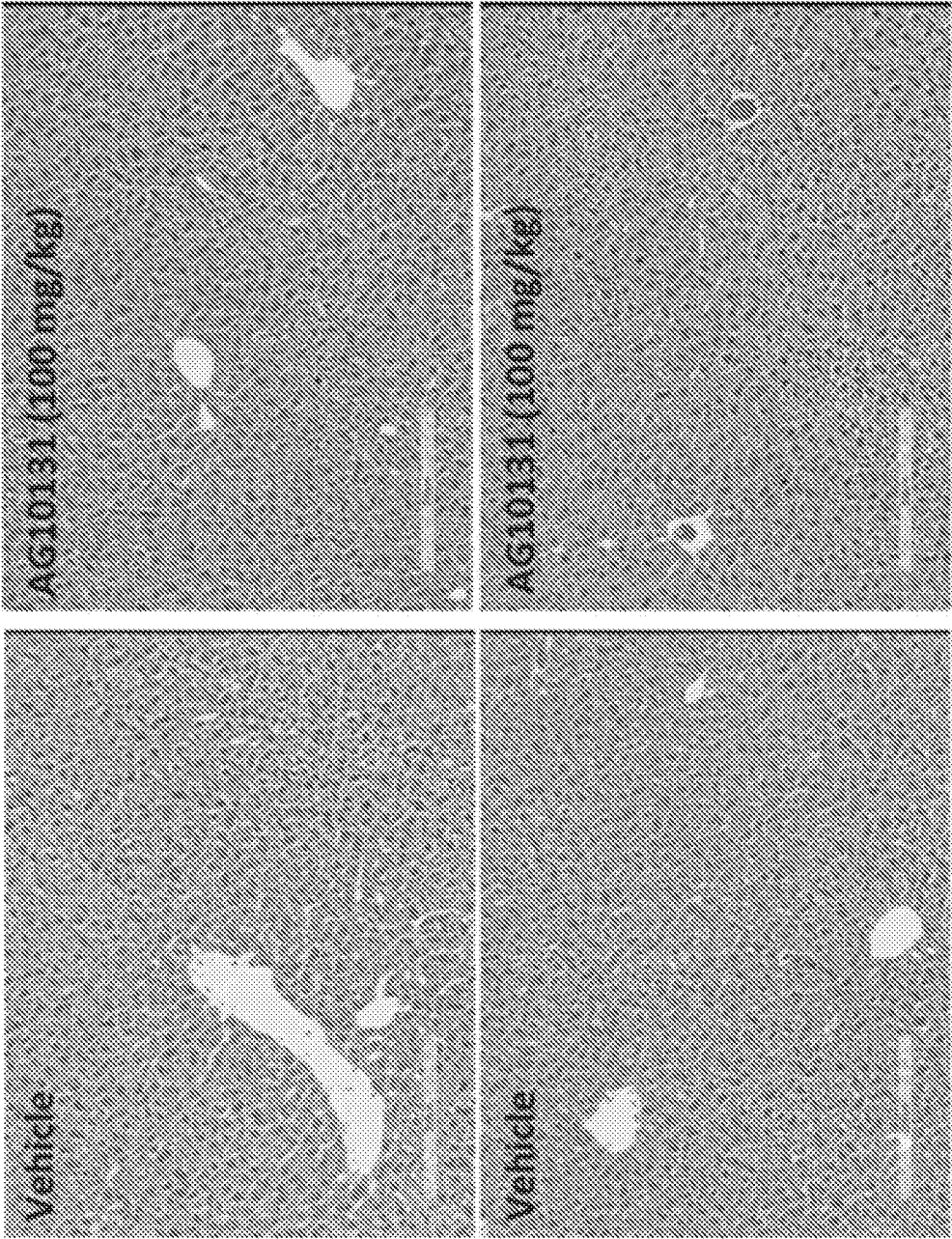


FIG. 20

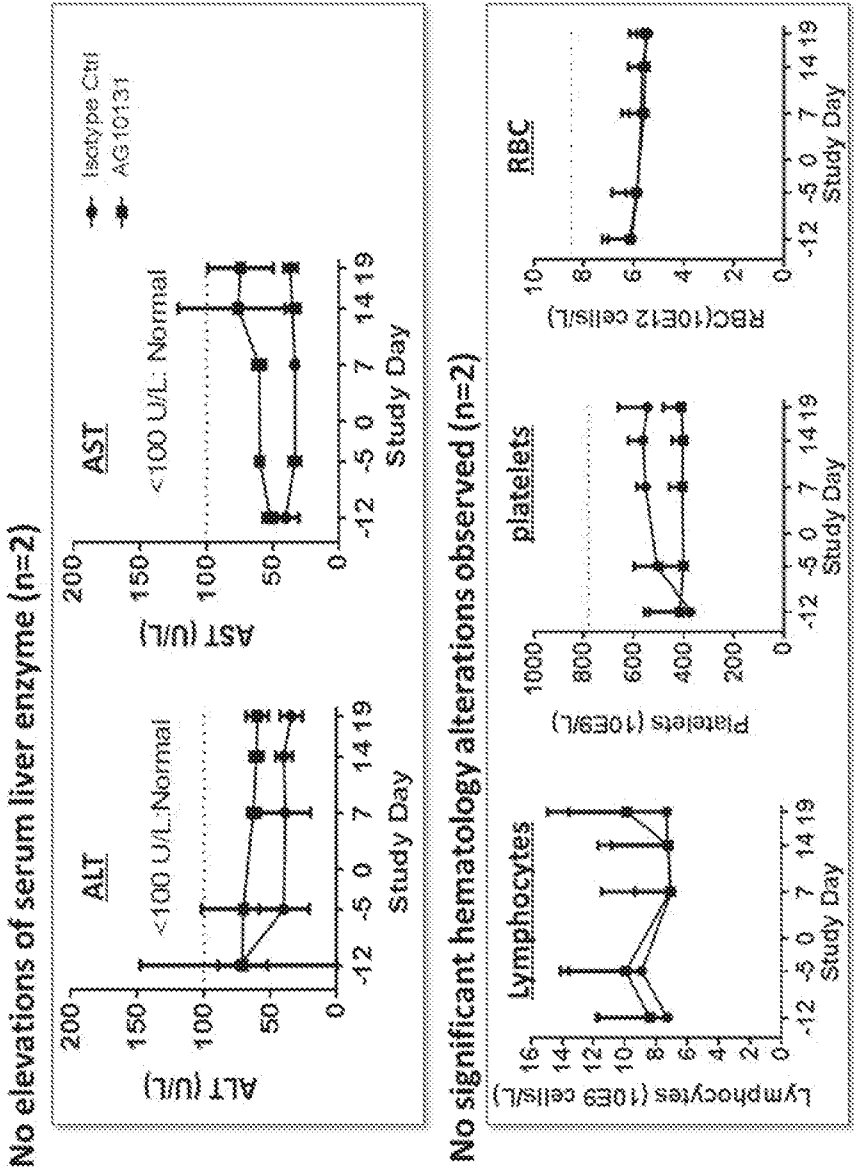


FIG. 21

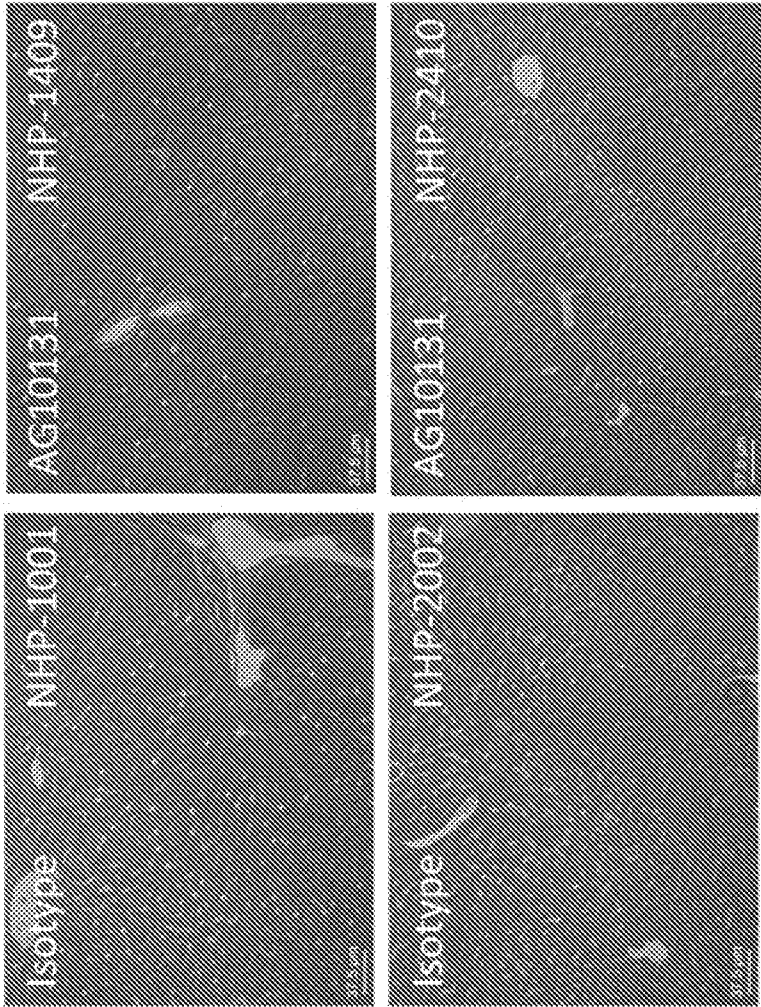


FIG. 22

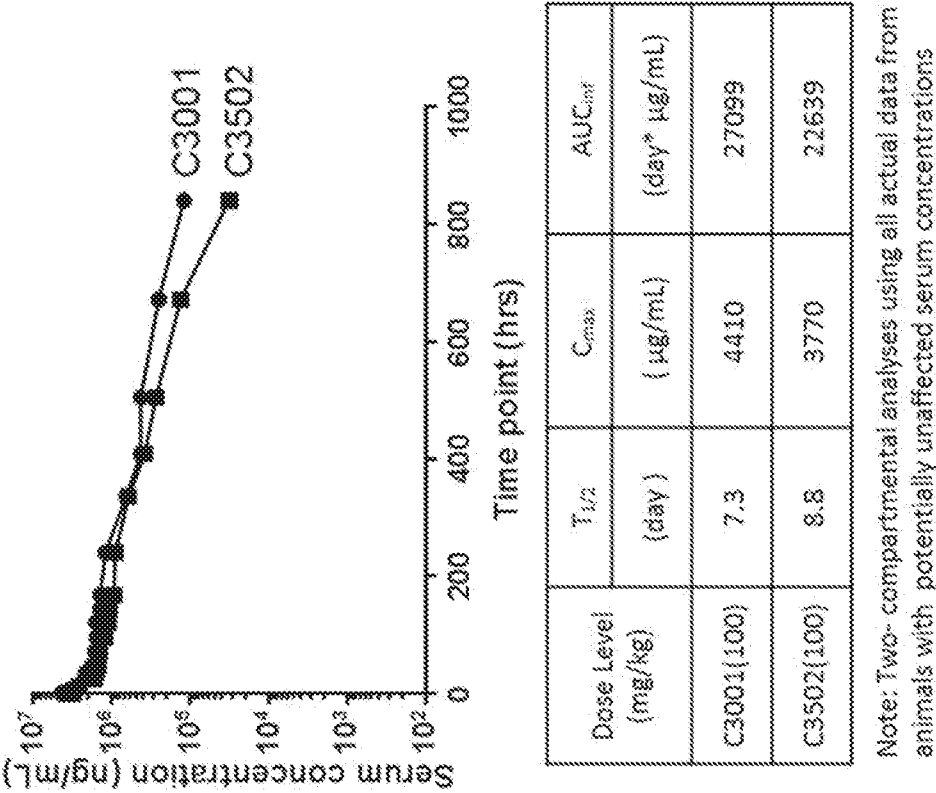
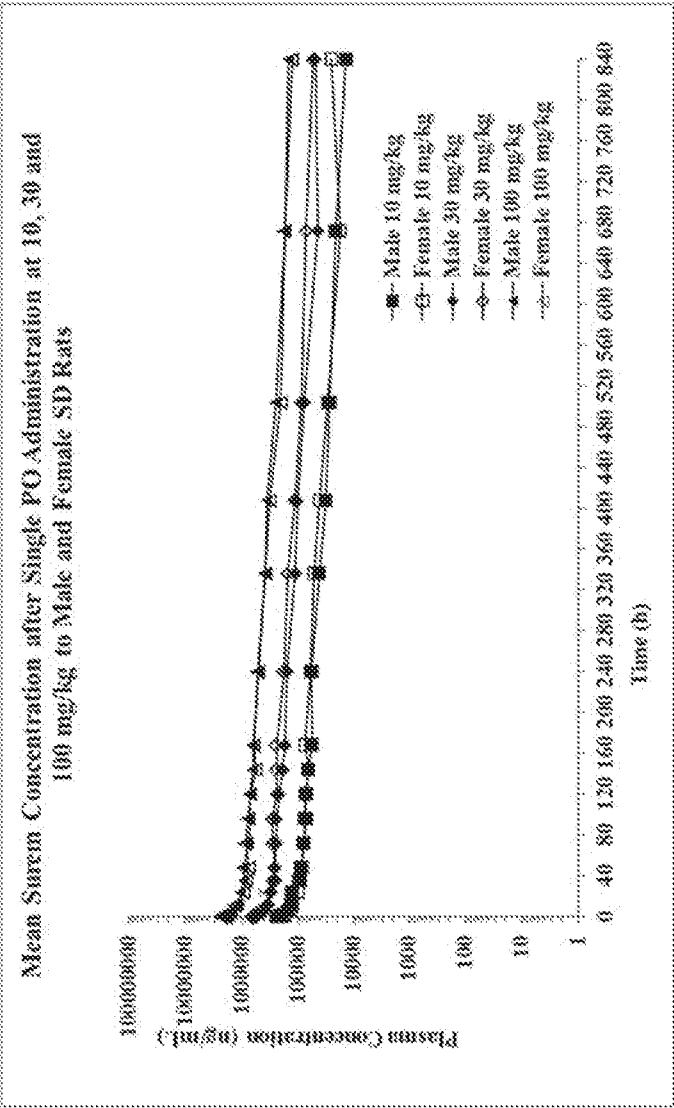


FIG. 23



PK Parameter						
Strength	10 mg/kg		30 mg/kg		100 mg/kg	
	Male	Female	Male	Female	Male	Female
Time range for $T_{1/2}$ calculation	48-840	24-840	24-840	24-840	72-840	24-840
C_0 (ng/mL)	248000	194000	645000	618000	2250000	2580000
$T_{1/2}$ (h)	304	351	287	311	300	277
V_{dss} (L/kg)	0.102	0.109	0.11	0.0949	0.108	0.106
Cl (mL/min/kg)	0.00399	0.00326	0.00419	0.0035	0.00419	0.00444
T_{last} (h)	840	840	840	840	840	840
AUC_{0-840} (ng.h/mL)	35700000	38300000	99500000	119000000	336000000	325000000
AUC_{0-inf} (ng.h/mL)	41700000	51200000	119000000	143000000	398000000	376000000

FIG. 24

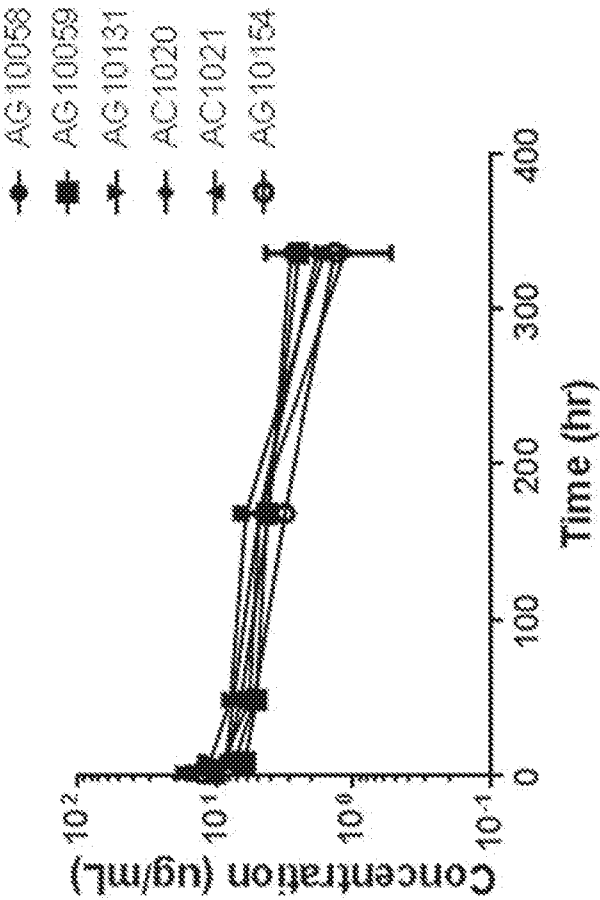


FIG. 25

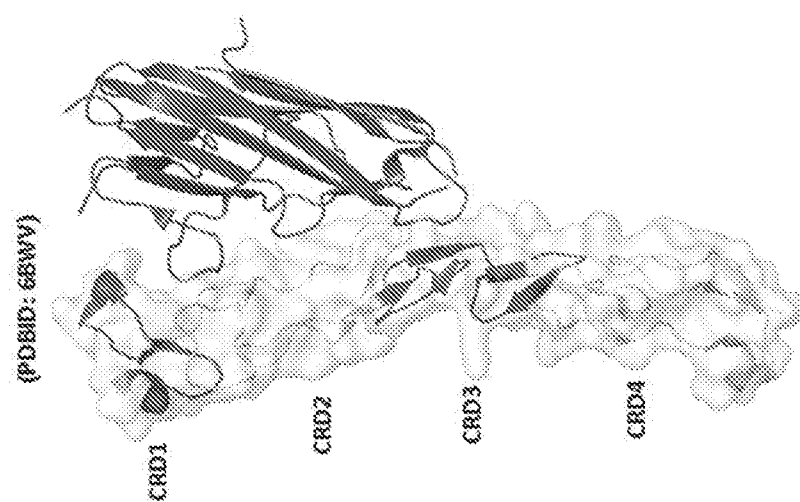
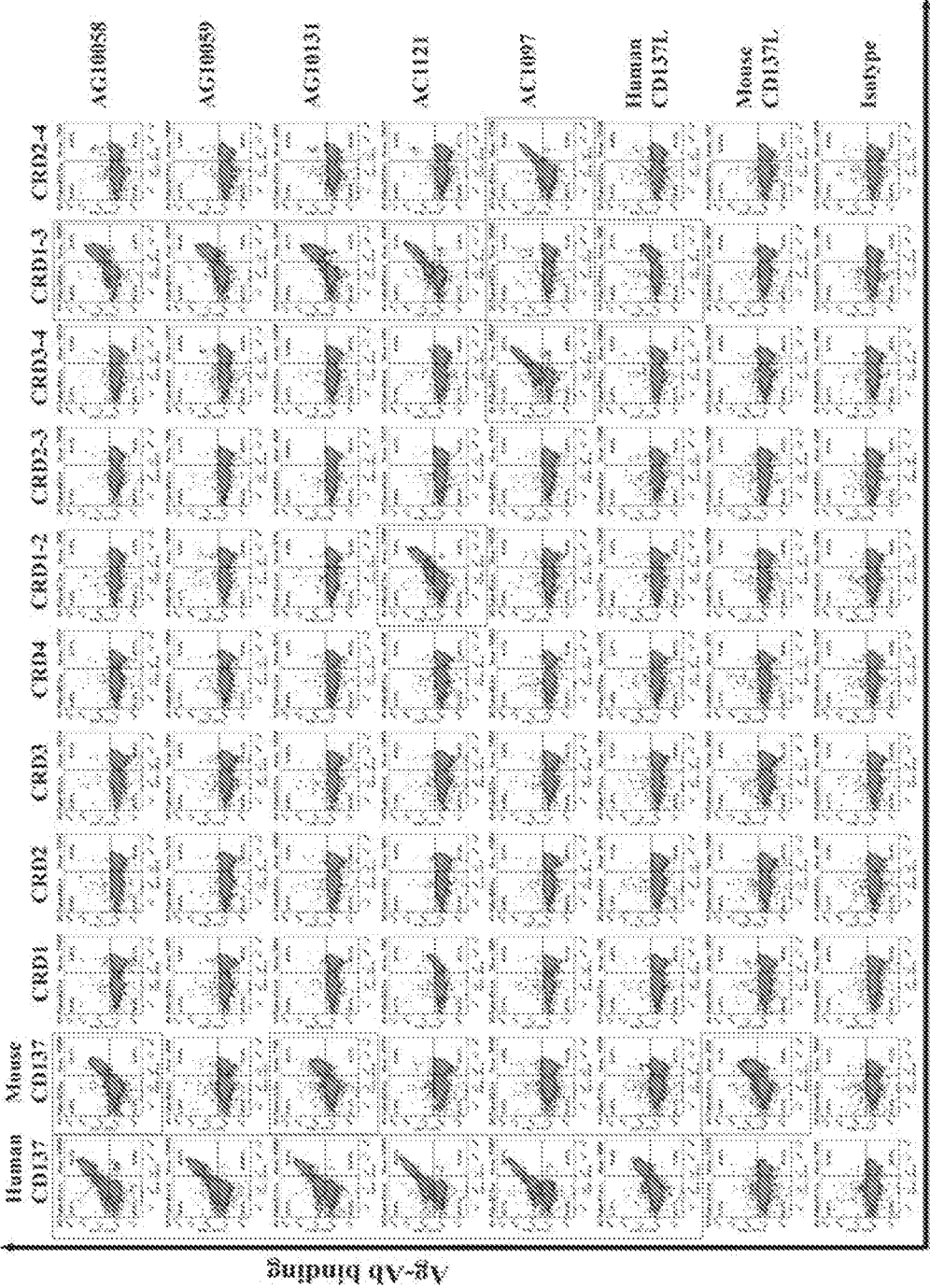


FIG. 26



Ag display

FIG. 27

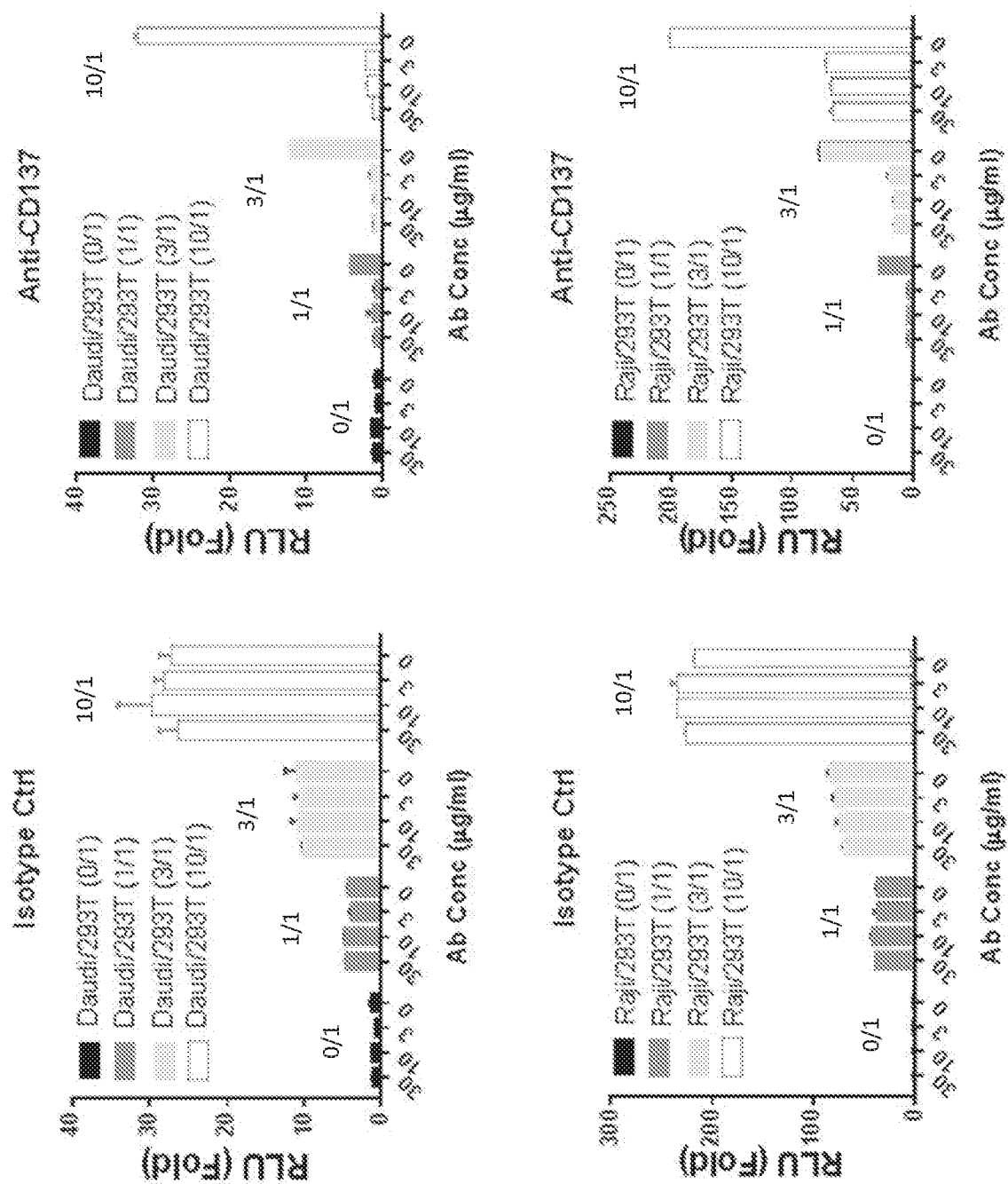


FIG. 28

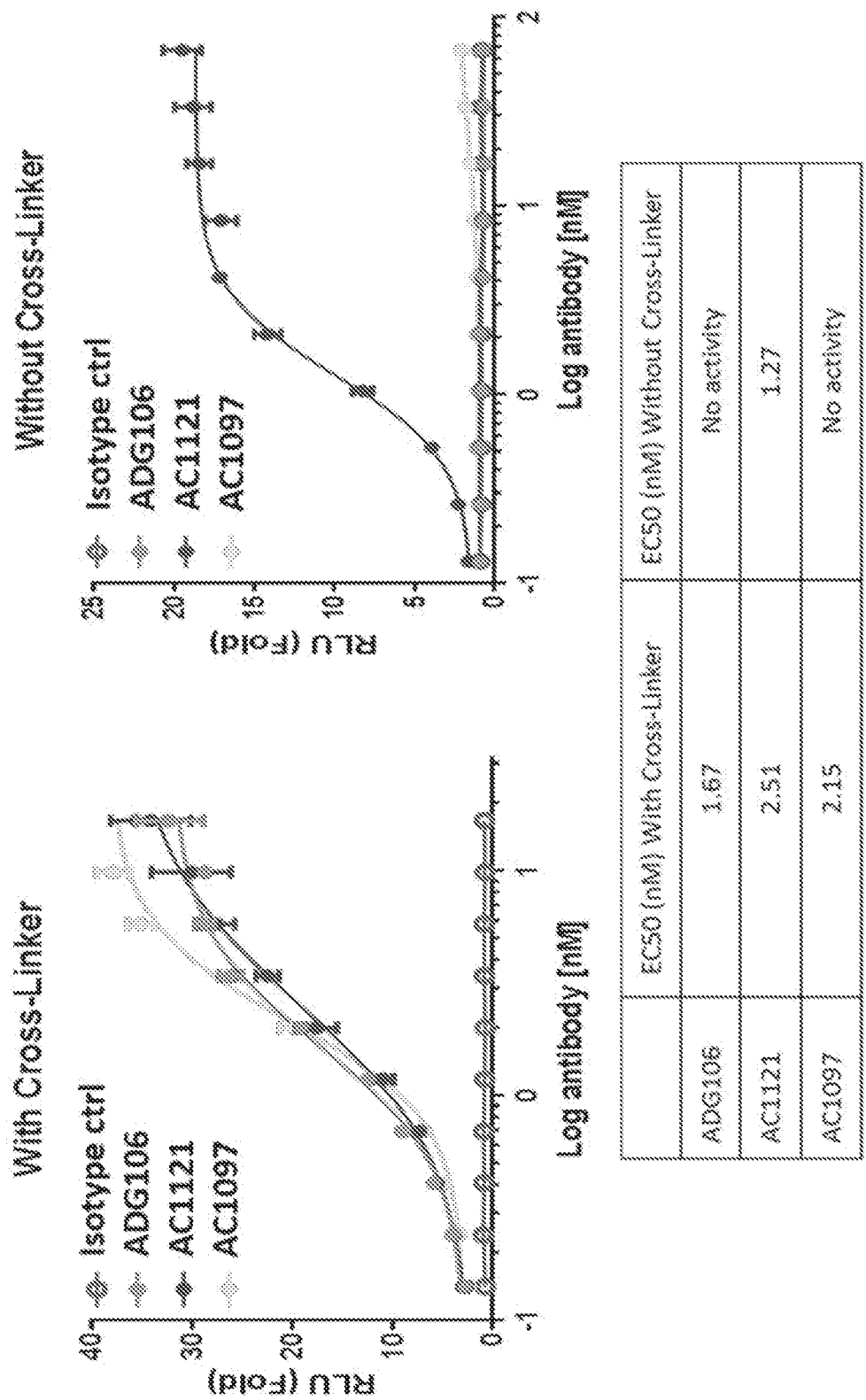


FIG. 29

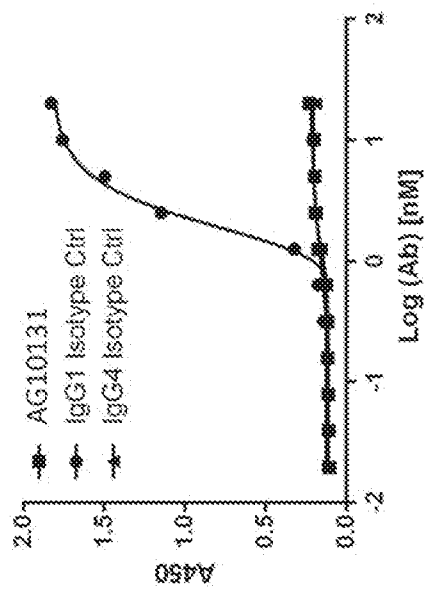


FIG. 30

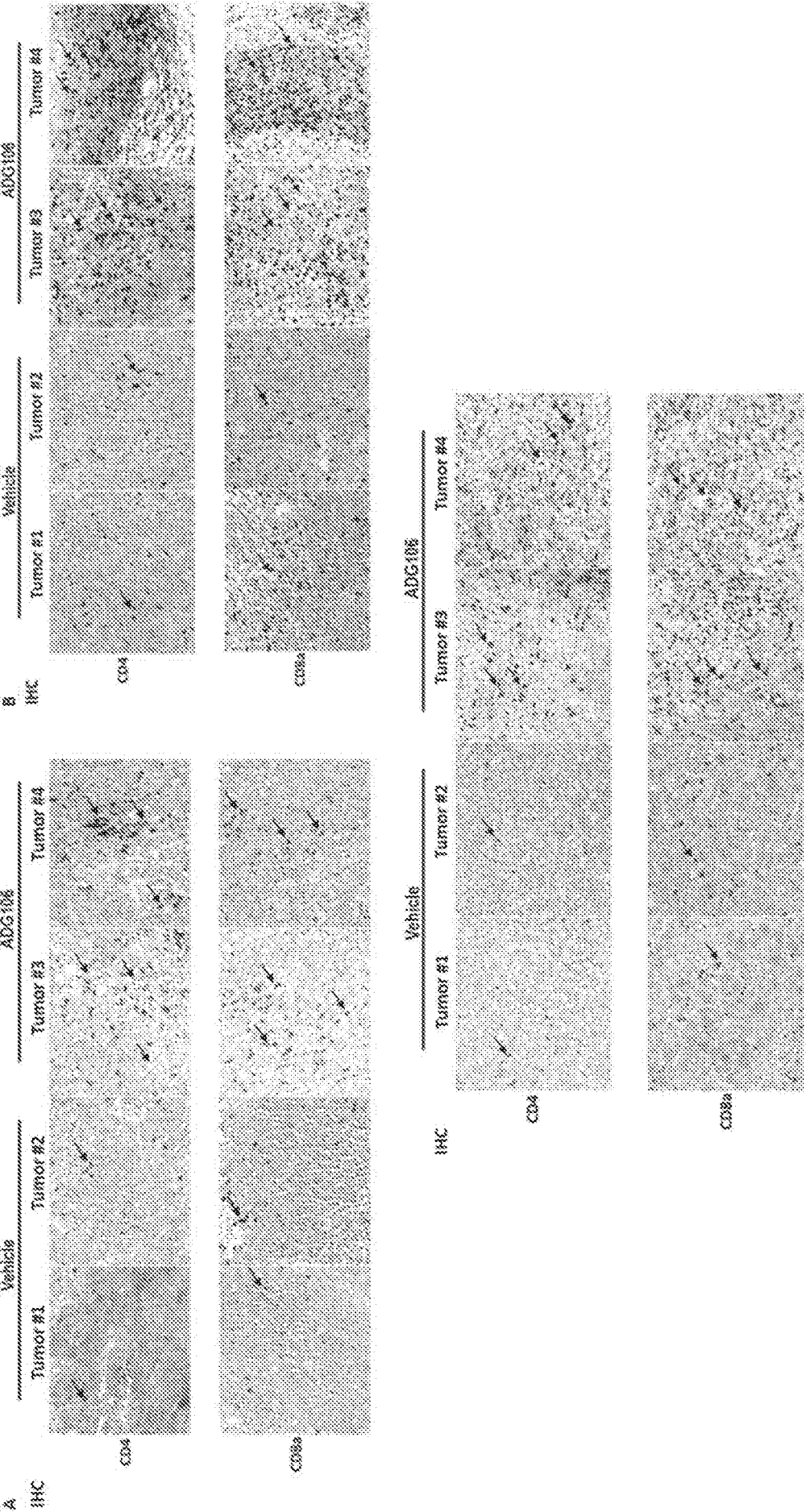


FIG. 31

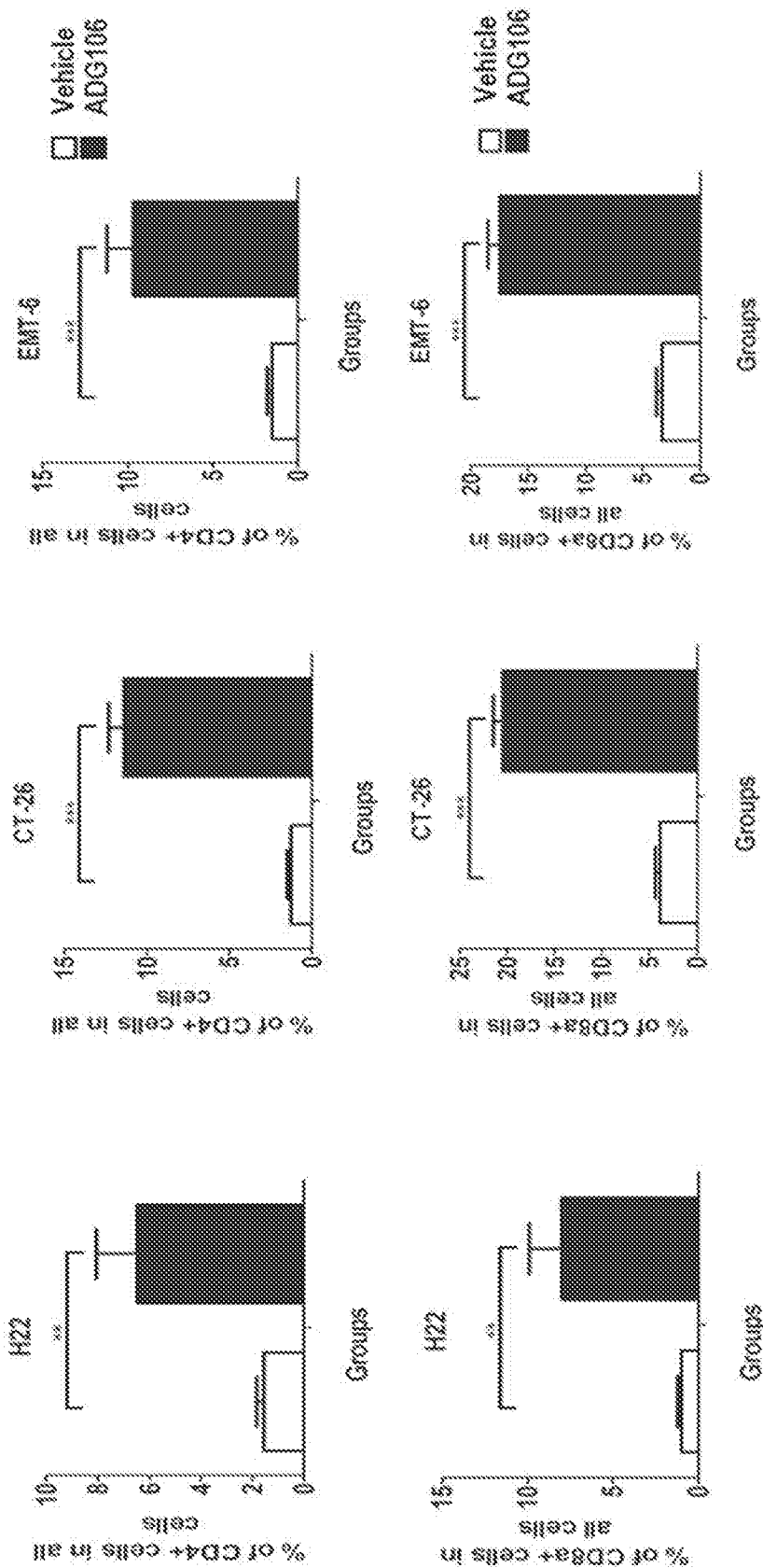


FIG. 32

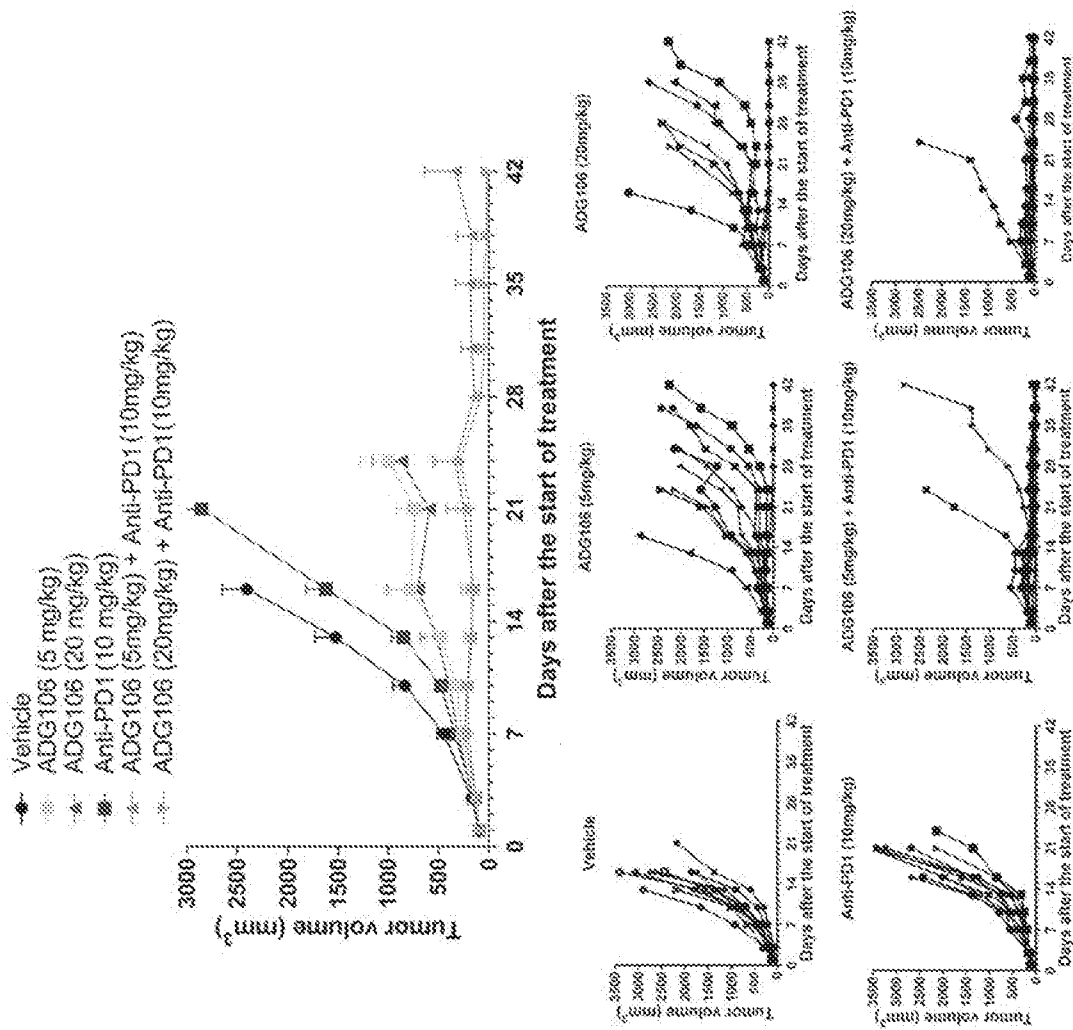


FIG. 33