

FIG. 1

M_mulatta	PGARKLRAVLEKLRSLHQDISKAAKVVNGVVGHLRLRLK-CEPEFGGVEQLHTGSYYEHV	59
P_anubis	PGARKLRAVLEKLRSLHQDISKAAKVVNGVVGHLRLRLK-CESEFEGVEQLHTGSYYEHV	59
N_leucogenys	PGARKLRAVLEKLRSLRQEISEAAEVVNGVVDHLLRLQKCDSEFRGVGLLRTGSYYEHV	60
H_lar	PGARKLPAVLEKLRSLRQEISEAAEVVNGVVDHLLRLQKCDSEFRGVGLLRTGSYYEHV	60
P_abelii	PGASKLRAVLEKLRSLRLEISKAEEVNRVVDHLLRLQKYNSEFRGVGLLRTGSYYEHV	60
P_troglodytes	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
G_gorilla	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
H_sapiens	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
	*** ** *****;*:;* **;*: **.* ** *: : * ** *.*****	
Consensus	PGAxKLxAVLEKLxLSxxxIxxAAxxVxxVVxHLLxRLxxxxxxFxGVxxLxTGSYYEHV	
M_mulatta	KISAPNEFDVMFKLQVPRIQLEEYSDTGAYYFVKFRNPENPLSLFLEDEILSASKMLS	119
P_anubis	KISAPNEFDVMFKLQVPRIQLEEYSDTGAYYFVKFRNPENPLSQFLEDEILSASKMLS	119
N_leucogenys	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	120
H_lar	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLCQFLEGEILSASKMLS	120
P_abelii	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	120
P_troglodytes	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
G_gorilla	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
H_sapiens	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
	*****;*****;* *****; ***. ***.*****	
Consensus	KISAPNEFDVMFKLxVPRIQLEEYSxTxAYYFVKFRNPxxNPLxxFLExILSASKMLS	
M_mulatta	KFRKIIKEEINNIKDVPDADVIMKRKRPGSPAVTLLINKEISVDITLALSELK-TSWPAS	178
P_anubis	QFRKIIKEEINNIKD----TDVIMKRKRGGSPAVTLLINKEISVDITLALSELK-TSWPAS	174
N_leucogenys	KFRKIIKEEINNIKD----TDVIMKRKRGGSPAVTLLISEKISVDITLALSNNSWPAS	176
H_lar	KFRKIIKEEINNIKD----TDVILKRKRGGSPAVTLLISEKISVDITLALSKSSWPAS	176
P_abelii	KFRKIIKEEINNIKD----TDVIMKRKRGGSPAVTLLISEEISVDITLALSK-SSWPAS	175
P_troglodytes	KFRKIIKEEINNIK-----DVIMKRKRGGSPAVTLLISEKISVDITLALSK-SSWPAS	172
G_gorilla	KFRKIIKEEINNIKD----TDVIMKRKRGGSPAVTLLISEKISVDITLALSK-SSWPAS	174
H_sapiens	KFRKIIKEEINNIKD----TDVIMKRKRGGSPAVTLLISEKISVDITLALSK-SSWPAS	174
	;*****;** *****;*****;*****;*****;*****;*****	
Consensus	xFRKIIKEEINxIKxxxxxxDVixKRKRxGSPAVTLLIxxxISVDITLALExxxxSWPAS	
M_mulatta	TQEGLAIKNWLSAKVRQQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILSNHGKS	238
P_anubis	TQEGLAIKNWLSAKVRQQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILSNHGKS	234
N_leucogenys	TQEGLPIKDWLSGKVRQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKT	236
H_lar	TQEGLPIKDWLSGKVRTQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKT	236
P_abelii	TQEGLPIKNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	235
P_troglodytes	TQEGLPIKNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	232
G_gorilla	TQEGLRIQNWLSAKVRQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	234
H_sapiens	TQEGLRIQNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	234
	***** *;***.*** *****;*****;*****;*****;*****;*****;*****	
Consensus	TQEGLxIxxWLSxKVRxQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILxNHGxx	

M_mulatta	KTCCENKEMKCCRKDCLKLMKYLLLEQLKEFKDKKKHLDFSSYHVKTAFHHLCSTENPQDS	298
P_anubis	KTCCENKEMKCCRKDCLKLMKYLLLEQLKEFKDKKKHLDFSSYHVKTAFHHLCSTENPQDS	294
N_leucogenys	KTCCENKNVKKCRKDCLKLMKYLLLEQLKERFKDKKKHLDFSSYHVKTAFHHVCSTENPQDS	296
H_lar	KTCCENKKVKCCRKDCLKLMKYLLLEQLKERFKDKKKHLDFSSYHVKTAFHHVCSTENPKDS	296
P_abelii	KTCCEDEKVKCCRKDCLKLMKYLLLEQLKERFKDKKKHLDFSSYHVKTAFHHVCSTQNPPQS	295
P_troglodytes	KTCCIEKEAKCCRKDCLKLMKYLLLEQLKEFKDKKKHLDFSSYHVKTAFHHVCSTENPQDS	292
G_gorilla	KTCCENKEAKCCRKDCLKLMKYLLLEQLKERFKDKKKHLDFSSYHVKTAFHHVCSTQNPPQS	294
H_sapiens	KTCCENKEEKCCRKDCLKLMKYLLLEQLKERFKDKKKHLDFSSYHVKTAFHHVCSTQNPPQS	294
	***** *: *****;*****;*****;*:**:*:	
Consensus	KTCCExRxxKCCRKDCLKLMKYLLLEQLKexFRDKKHLDFSSYHVKTAFHxCTxNPNxDs	
M_mulatta	QWDPKDLGLCFDNCVTYFLECLRTEQLKNYFIPGFNLFSNNLIDKTSKEFLSKQIEYERN	358
P_anubis	QWDPKDLGLCFDNCVTHFLQCLRTEKLANYFIPGFNLFSNNLIDKSSKEFLSKQIEYERN	354
N_leucogenys	QWDPKNLGFCFDKCVIYFLKCLRTEQLGNFYIPGFNLFSNNLIDKRSKEFLSKQIEYERN	356
H_lar	QWDPKDLGLCFDCKCVIYFLQCLSTEQLGNFYIPGFNLFSNNLIDKRSKEFLSKQIEYERN	356
P_abelii	QWDPKDLGLCFDNCVTYFYLQCLRTEQLGNFYIPGFNLFSNNLIDKRSKEFLTQIEYERN	355
P_troglodytes	QWDRKDLGLCFDNCVTYFYLQCLRTEQLGNFYIPEFNLFSSDLIDKRSKEFLTQIEYERN	352
G_gorilla	QWDRKQLGLCFDNCVTYFYLQCLRTERLENFYIPEFNLFSSNLIDKRSKEFLTQIEYERN	354
H_sapiens	QWDRKDLGLCFDNCVTYFYLQCLRTEKLENFYIPEFNLFSSNLIDKRSKEFLTQIEYERN	354
	*** **:***:** :*:** *:* ***** :**** *****;*****	
Consensus	QWDxRxLGxCFDxCVTxFLxCLxxExLxNYFIxFNLFSxxLIDKxSKEFLxKQIEYERN	
M_mulatta	NEFPVFGEF	367
P_anubis	NEFPVFGEF	363
N_leucogenys	NEYPVFG---	363
H_lar	NEYPVFGK	365
P_abelii	NEFPVFDEF	364
P_troglodytes	NEFPVFDEF	361
G_gorilla	NEFPVFDEF	363
H_sapiens	NEFPVFDEF	363
	:.	
Consensus	NEXPVFxxx	

FIG. 2

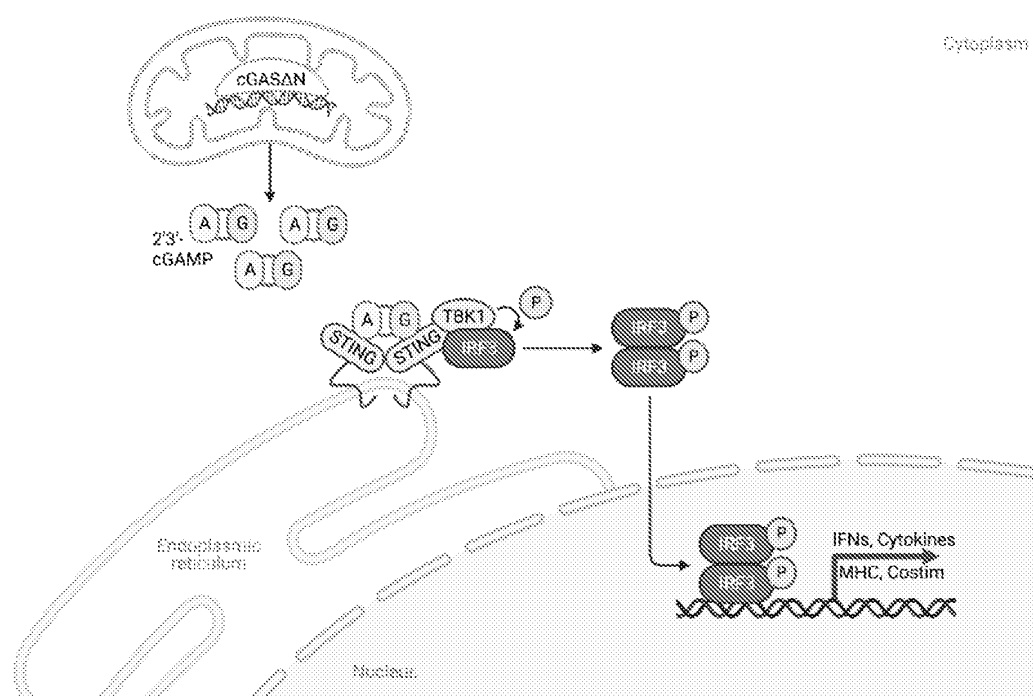


FIG. 3A

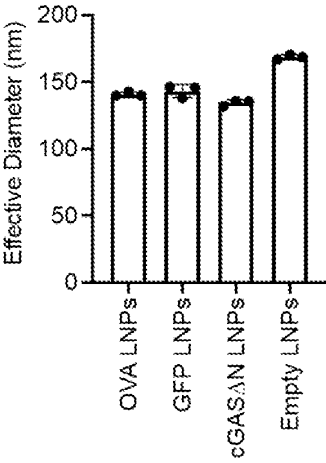


FIG. 3B

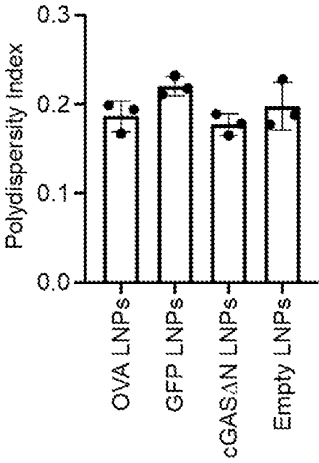


FIG. 3C

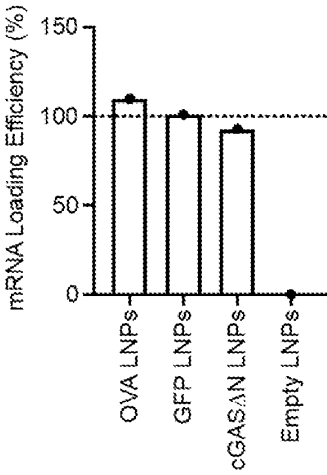


FIG. 4A

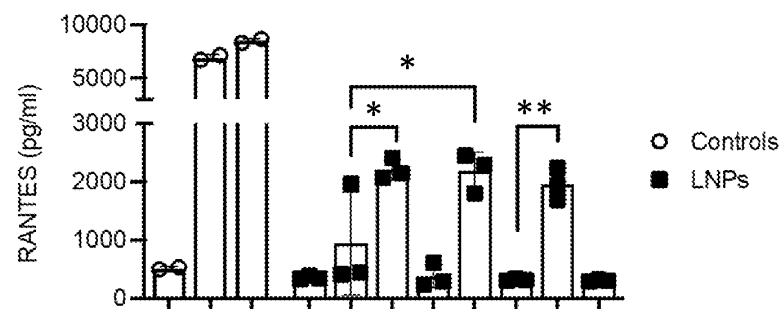


FIG. 4B

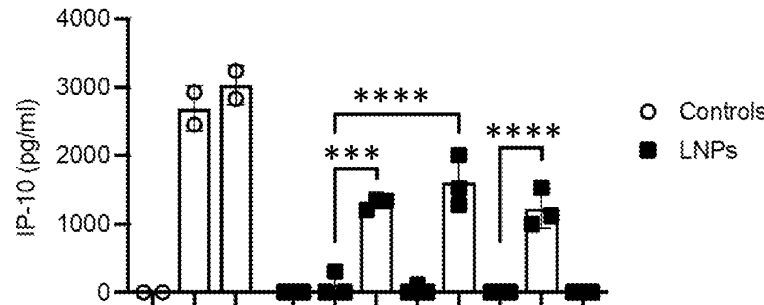
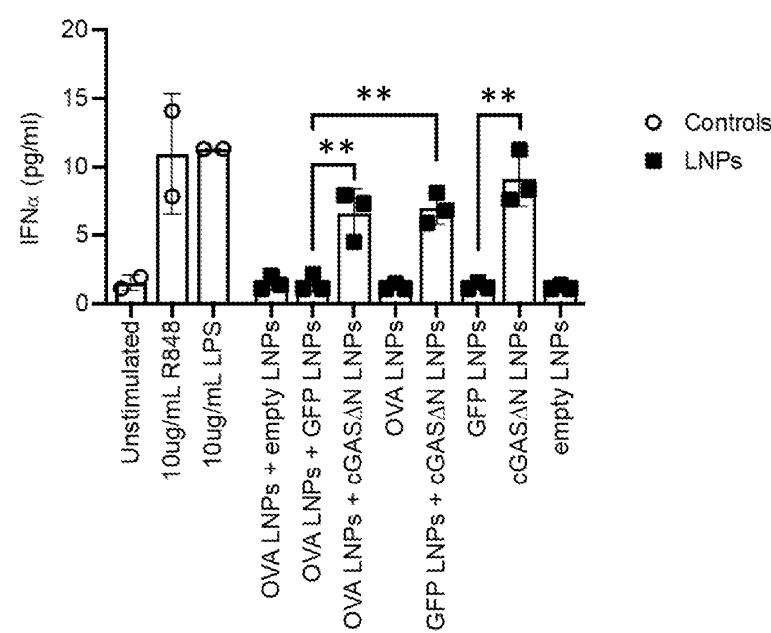


FIG. 4C



○ Controls ■ LNPs

FIG. 5A

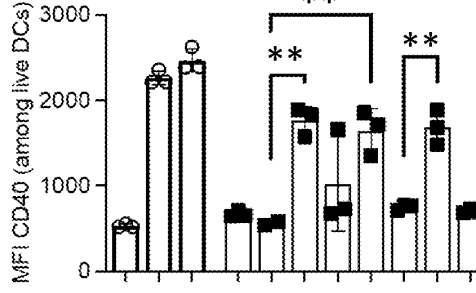


FIG. 5B

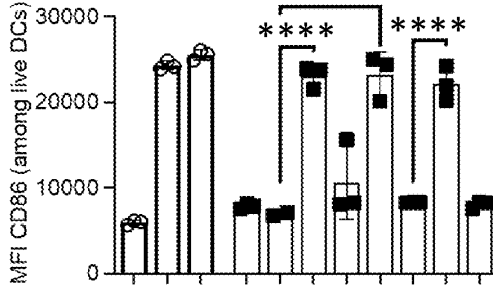


FIG. 5C

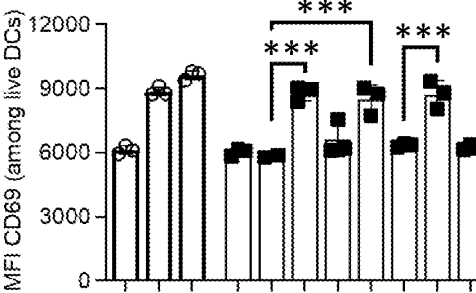


FIG. 5D

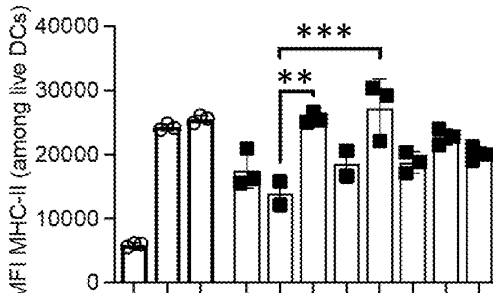


FIG. 5E

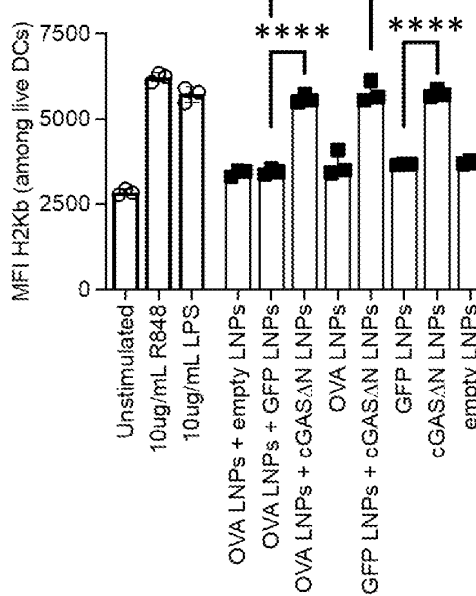
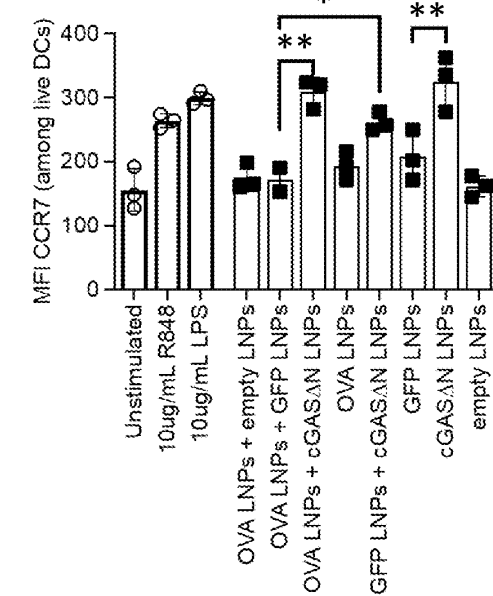
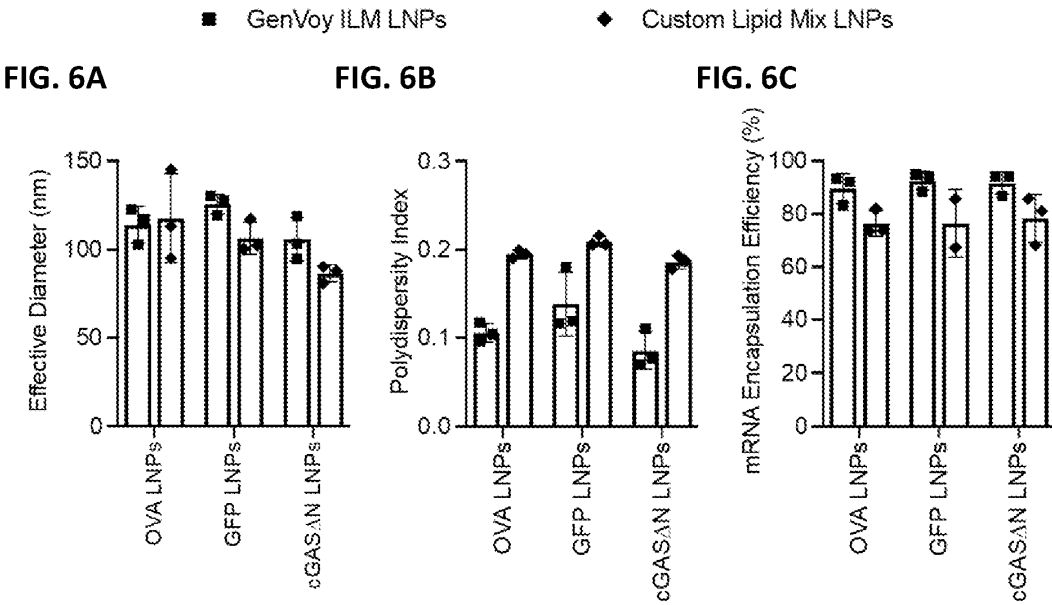
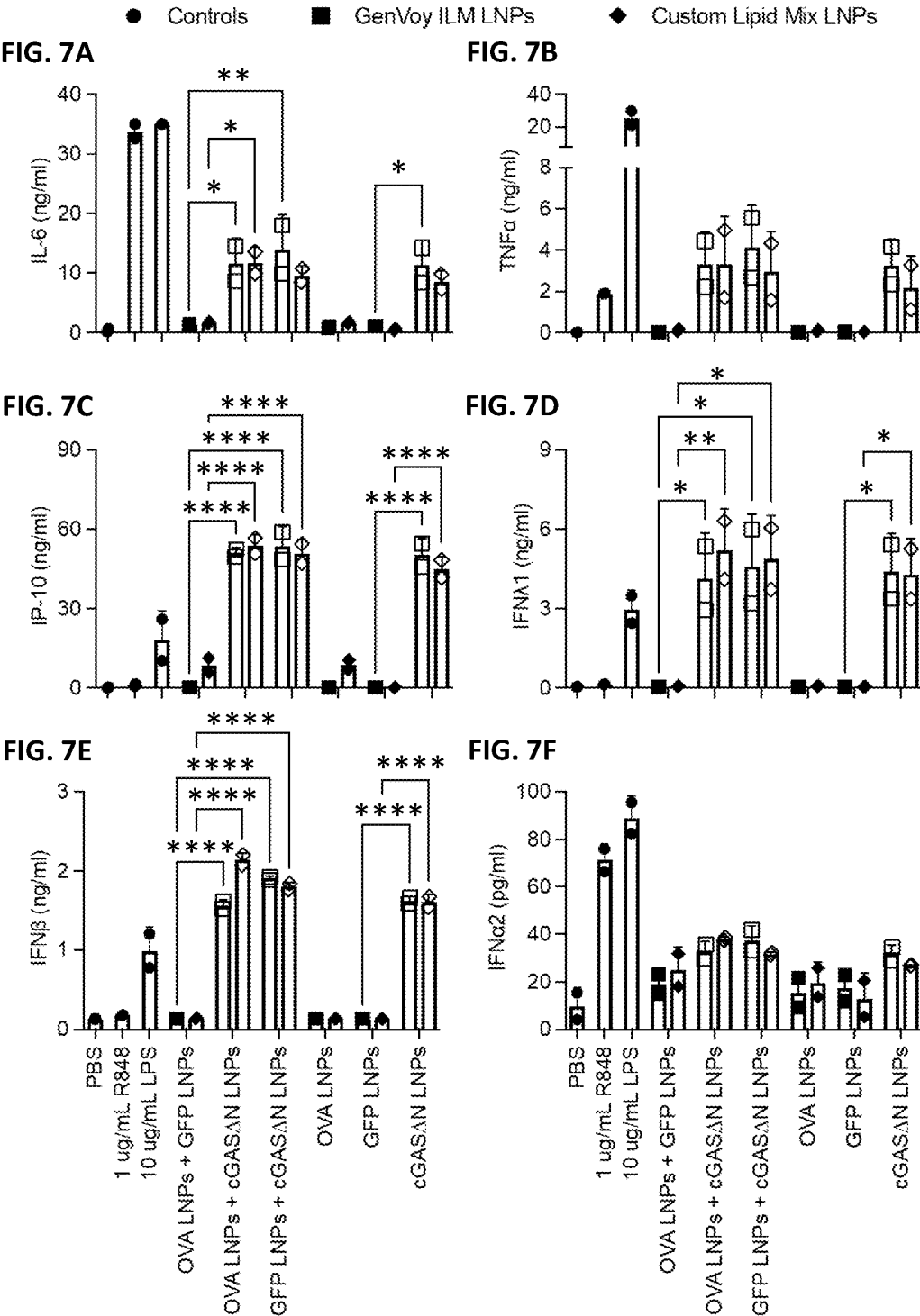


FIG. 5F







● Controls ■ GenVoy ILM LNPs ◆ Custom Lipid Mix LNPs

FIG. 8A

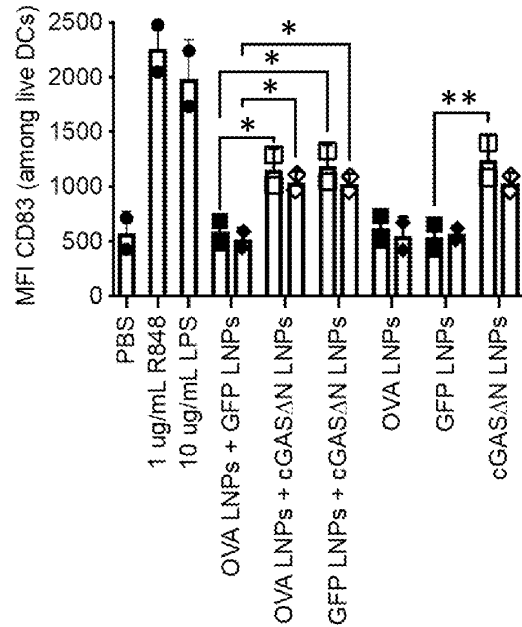


FIG. 8B

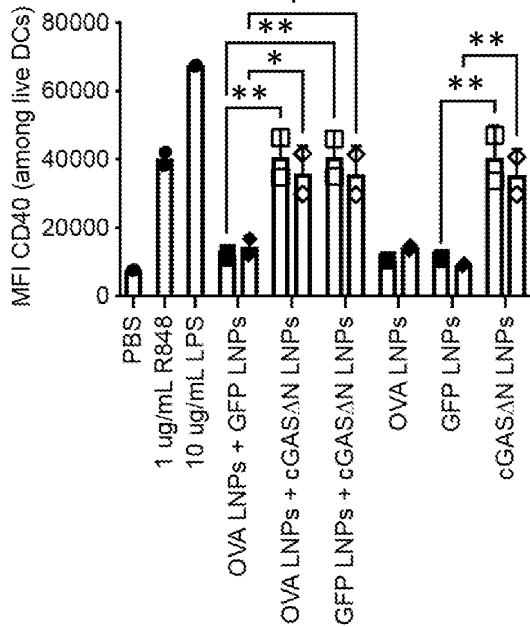


FIG. 8C

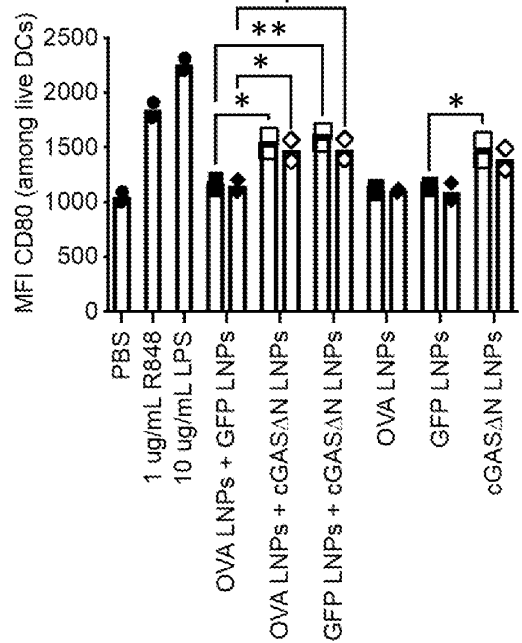
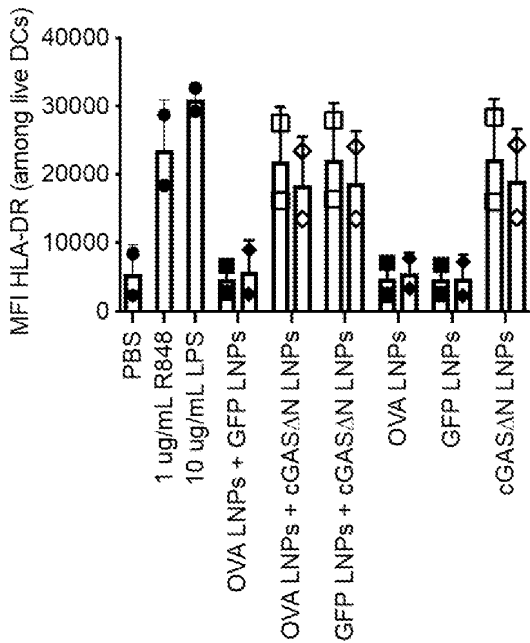


FIG. 8D



● Controls ■ GenVoy ILM LNPs ◆ Custom Lipid Mix LNPs

FIG. 9A

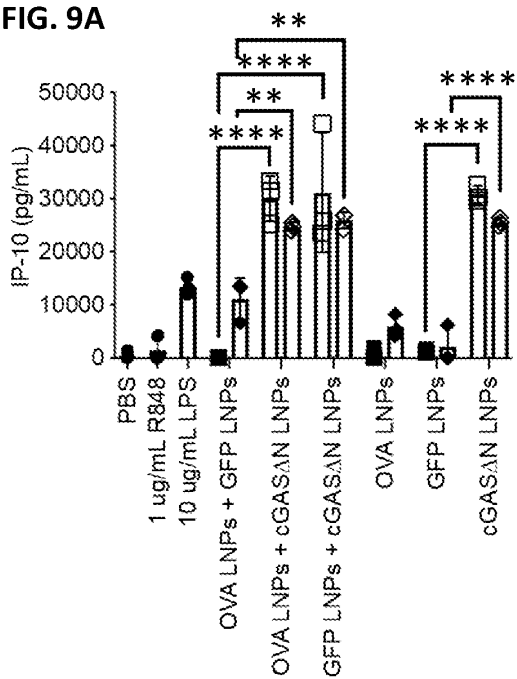
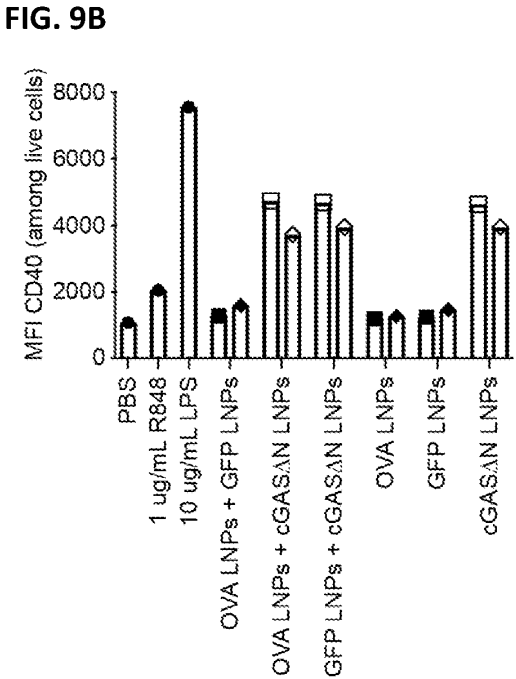


FIG. 9B



○ Media ▨ R848 ◆ R848 + MCC950

FIG. 10A

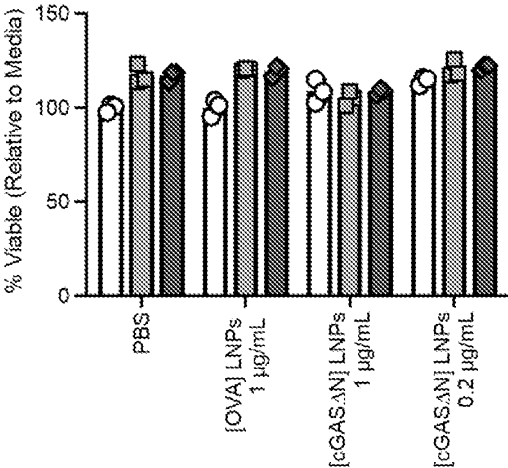
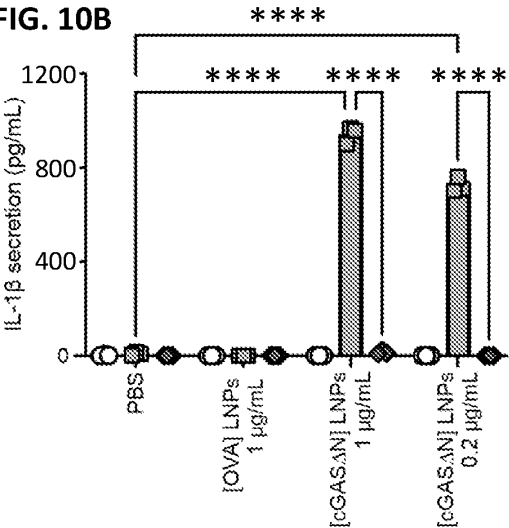


FIG. 10B



□ 1 ug/mouse ■ 5 ug/mouse

FIG. 11A

Genvoy ILM LNPs

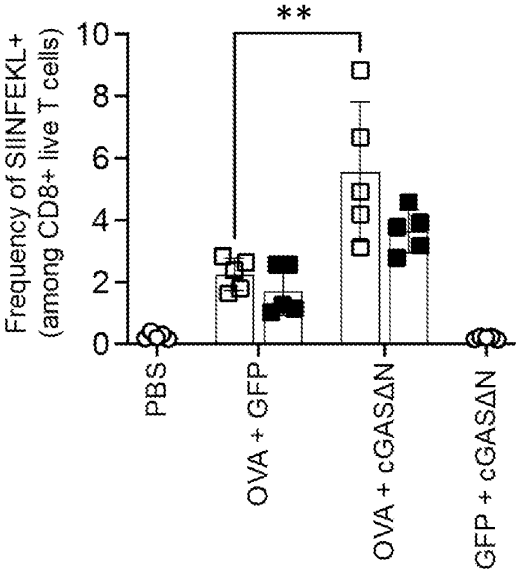


FIG. 11B

Custom Lipid Mix LNPs

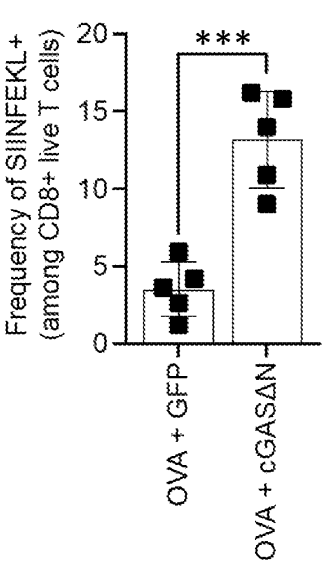


FIG. 11C

Genvoy ILM LNPs

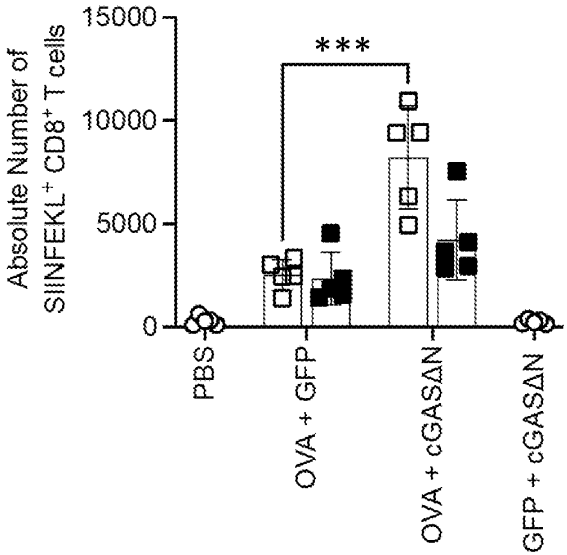
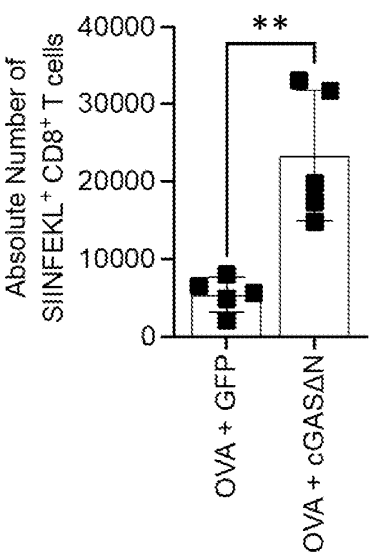


FIG. 11D

Custom Lipid Mix LNPs



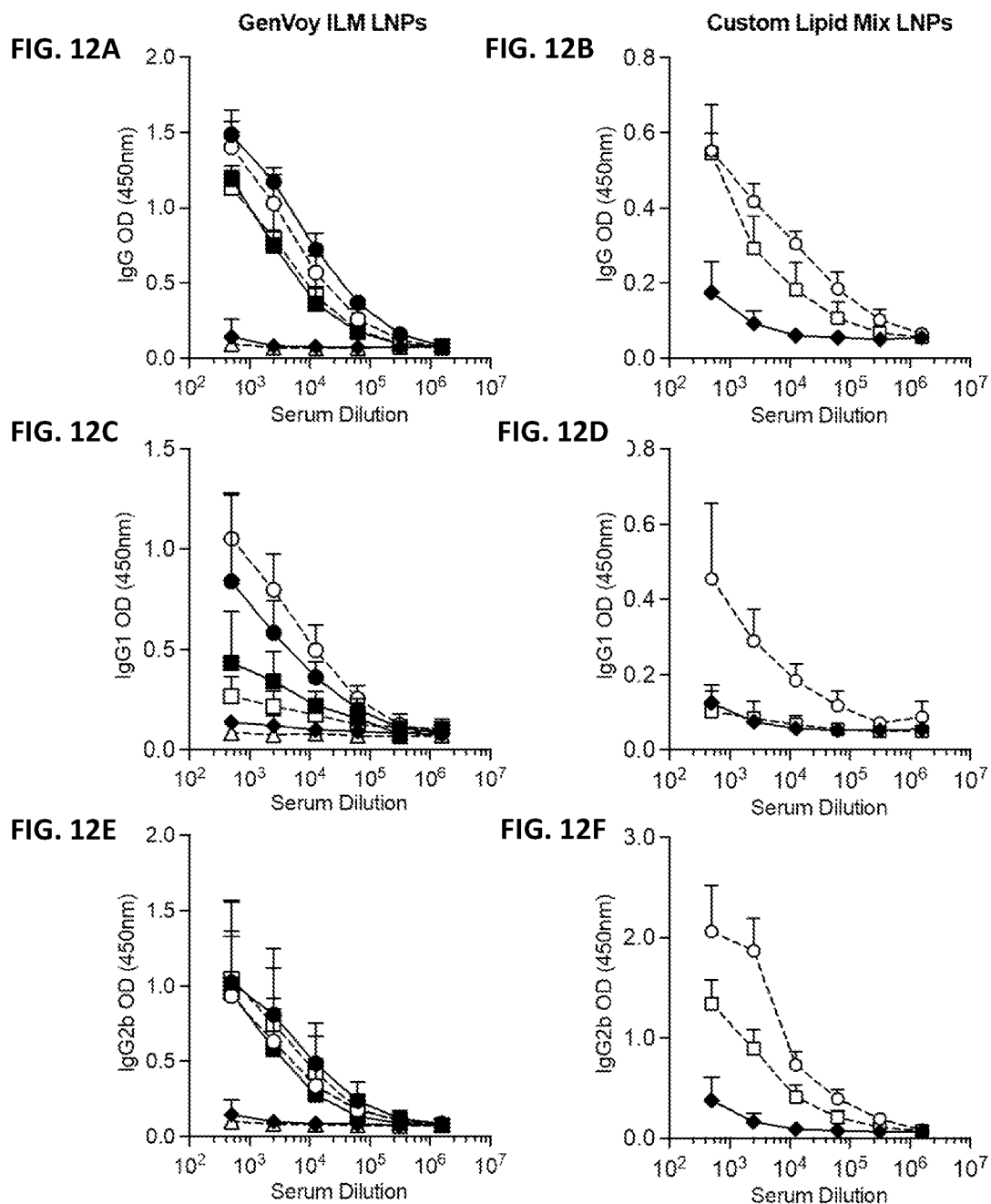
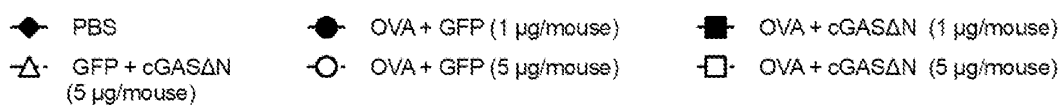


FIG. 13A

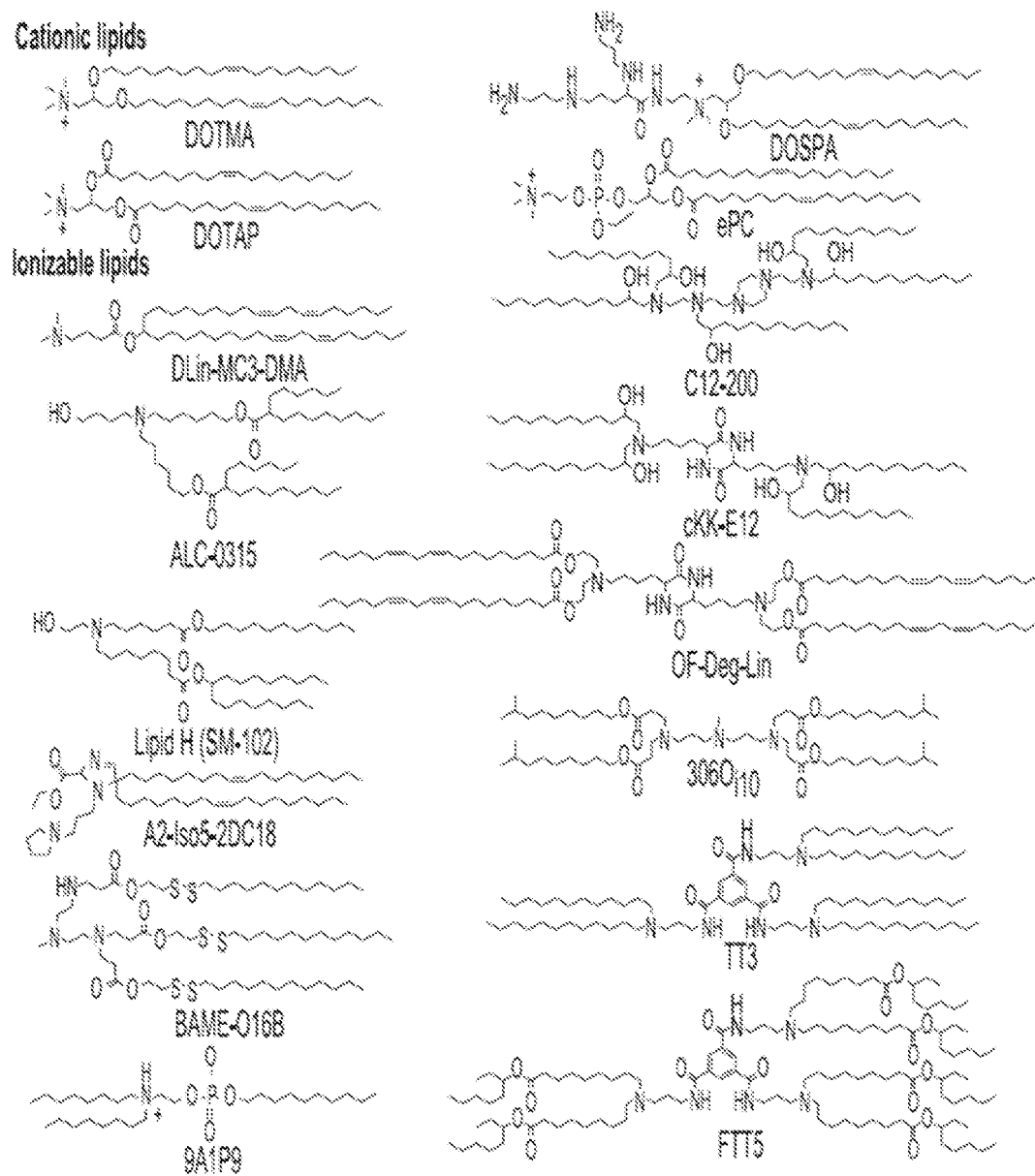


FIG. 13B

