

FIG. 1

M_mulatta	PGARKLRAVLEKLRSLHQDISKAAKVNVGVGHLLRLK-CEPEFGGVEQLHTGSYYEHV	59
P_anubis	PGARKLRAVLEKLRSLHQDISKAAKVNVGVGHLLRLK-CESEFEGVEQLHTGSYYEHV	59
N_leucogenys	PGARKLRAVLEKLRSLRQEISEAAEVNVGVVDHLLRLQKCDSEFRGVGLLRTGSYYEHV	60
H_lar	PGARKLPAVLEKLRSLRQEISEAAEVNVGVVDHLLRLQKCDSEFRGVGLLRTGSYYEHV	60
P_abelii	PGASKLRAVLEKLRSLRLEISKAAEVNVRVVDHLLRLQKYNSEFRGVGLLRTGSYYEHV	60
P_troglodytes	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
G_gorilla	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
H_sapiens	PGASKLRAVLEKLRSRDDISTAAGMVKGVDHLLRLK-CDSAFRGVGLLNTGSYYEHV	59
	*** ** *****;*: ;*. ** ;*: **.*** **; : * ** *.*****	
Consensus	PGAxKLxAVLEKLRxLSxxxIxxAAxxVxxVVxHLLxRLxxxxxxFxGVxxLxTGSYYEHV	
M_mulatta	KISAPNEFDVMFKLQVPRIQLEEYSDTGAYYFVKFRNPENPLSLFLEDEILSASKMLS	119
P_anubis	KISAPNEFDVMFKLQVPRIQLEEYSDTGAYYFVKFRNPENPLSQFLEDEILSASKMLS	119
N_leucogenys	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	120
H_lar	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLCQFLEGEILSASKMLS	120
P_abelii	KISAPNEFDVMFKLEVPRIQLEEYSNTGAYYFVKFRNPENPLSQFLEGEILSASKMLS	120
P_troglodytes	KISAPNEFDVMFKLEVPRIQLEEYSNTRAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
G_gorilla	KISAPNEFDVMFKLEVPRIQLEEYSNTRAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
H_sapiens	KISAPNEFDVMFKLEVPRIQLEEYSNTRAYYFVKFRNPENPLSQFLEGEILSASKMLS	119
	*****;*****; *****; ***. ***.*****	
Consensus	KISAPNEFDVMFKLxVPRIQLEEYSxTxAYYFVKFRNPxxNPLxxFLEXEILSASKMLS	
M_mulatta	KFRKIIKEEINNIKDVPDADVIMKRKRPGSPAVTLLINKEISVDITLALSELK-TSWPAS	178
P_anubis	QFRKIIKEEINNIKD---TDVIMKRKRGGSPAVTLLINKEISVDITLALSELK-TSWPAS	174
N_leucogenys	KFRKIIKEEINNIKD---TDVIMKRKRGGSPAVTLLISEKISVDITLALESNSNSWPAS	176
H_lar	KFRKIIKEEINNIKD---TDVILKRKRGGSPAVTLLISEKISVDITLALESKSSSWPAS	176
P_abelii	KFRKIIKEEINNIKD---TDVIMKRKRGGSPAVTLLISEEISVDITLALESK-SSWPAS	175
P_troglodytes	KFRKIIKEEINNIK-----DVIMKRKRGGSPAVTLLISEKISVDITLALESK-SSWPAS	172
G_gorilla	KFRKIIKEEINNIKD---TDVIMKRKRGGSPAVTLLISEKISVDITLALESK-SSWPAS	174
H_sapiens	KFRKIIKEEINNIKD---TDVIMKRKRGGSPAVTLLISEKISVDITLALESK-SSWPAS	174
	;*****;** ***;**** *****;.;***** : .*****	
Consensus	xFRKIIKEEINxIKxxxxxxDVIZKRRKxGSPAVTLLIxxxISVDITLALExxxxSWPAS	
M_mulatta	TQEGLAIKNWLSAKVRQQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILSNHGKS	238
P_anubis	TQEGLAIKNWLSAKVRQQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILSNHGKS	234
N_leucogenys	TQEGLPIKDWLSGKVRQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKT	236
H_lar	TQEGLPIKDWLSGKVRTQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGET	236
P_abelii	TQEGLPIKNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	235
P_troglodytes	TQEGLPIKNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	232
G_gorilla	TQEGLRIQNWLSAKVRQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	234
H_sapiens	TQEGLRIQNWLSAKVRKQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILNNHGKS	234
	***** *;***.*** **********.***;.	
Consensus	TQEGLxIxWLSxKVRxQLRLKPFYLVPKHAKEGNGFQEETWRLSFSHIEKEILxNHGxx	

M_mulatta	KTCCENKEMKCCRKDCLKLMKYLLLEQLKEKFdkDKKHLDKfSSyHVkTaffHhLCTenPQdS	298
P_anubis	KTCCENKEMKCCRKDCLKLMKYLLLEQLKEKFdkDKKHLDKfSSyHVkTaffHhLCTenPQdS	294
N_leucogenys	KTCCENKNVKKCRKDCLKLMKYLLLEQLKERFdkDKKHLDKfSSyHVkTaffHhVCTenPQdS	296
H_lar	KTCCENKKVKCCRKDCLKLMKYLLLEQLKERFdkDKKHLDKfSSyHVkTaffHhVCTenPKdS	296
P_abelii	KTCCEdKEvKCCRKDCLKLMKYLLLEQLKERFdkDKKHLDKfSSyHVkTaffHhVCTonPQdS	295
P_troglodytes	KTCCEIKeAKCCRKDCLKLMKYLLLEQLKEKFdkDKKHLDKfSSyHVkTaffHhVCTenPQdS	292
G_gorilla	KTCCENKeAKCCRKDCLKLMKYLLLEQLKERFdkDKKHLDKfSSyHVkTaffHhVCTonPQdS	294
H_sapiens	KTCCENKEEKCCRKDCLRLMKYLLLEQLKERFdkDKKHLDKfSSyHVkTaffHhVCTonPQdS	294
	***** *: *****;*****;*:**:*	
Consensus	KTCCEXKxxKCCRKDCLKLMKYLLLEQLKExFKDKKHLDKfSSyHVkTaffHhXTxNPxDs	
M_mulatta	QWDPKDLGLCFDNCVTYFLCCLrTEQLKNYFIpGFNLfSSnLiDKTSKEfLSKQIEYERN	358
P_anubis	QWDPKDLGLCFDNCVTHFLQCLrTEKLANYFIpGFNLfSSnLiDKSSKEfLSKQIEYERN	354
N_leucogenys	QWDPKNLGFCFDKCVIYFLKCLrTEQLGNyFIpGFNLfSSnLiDKRSKEfLSKQIEYERN	356
H_lar	QWDPKDLGLCFDKCVIYFLQCLSTEQLGNyFIpGFNLfSSnLiDKRSKEfLSKQIEYERN	356
P_abelii	QWDPKDLGLCFDNCVTYFLQCLrTEQLGNyFIpGFNLfSSnLiDKRSKEfLTkQIEYERN	355
P_troglodytes	QWDRKDLGLCFDNCVTYFLQCLRIEkLENyFIPEfnLfSSDLiDKRSKEfLTkQIEYERN	352
G_gorilla	QWDRKQLGLCFDNCVTYFLQCLrTERLENyFIPEfnLfSRnLiDKRSKEfLTkQIEYERN	354
H_sapiens	QWDRKDLGLCFDNCVTYFLQCLrTEKLENyFIPEfnLfSSnLiDKRSKEfLTkQIEYERN	354
	*** **:***:** :*:** *:* ***** :**** *****;*****	
Consensus	QWDxRxLGxCFDxCVTxFXLxCLxxEXLxNYFIpXFNLFsxLiDKxSKEfLxKQIEYERN	
M_mulatta	NEFPVFGEF	367
P_anubis	NEFPVFGEF	363
N_leucogenys	NEYPVFG---	363
H_lar	NEYPVFGKC	365
P_abelii	NEFPVFDEF	364
P_troglodytes	NEFPVFDEF	361
G_gorilla	NEFPVFDEF	363
H_sapiens	NEFPVFDEF	363
	:.	
Consensus	NEXPVFxxx	

FIG. 2

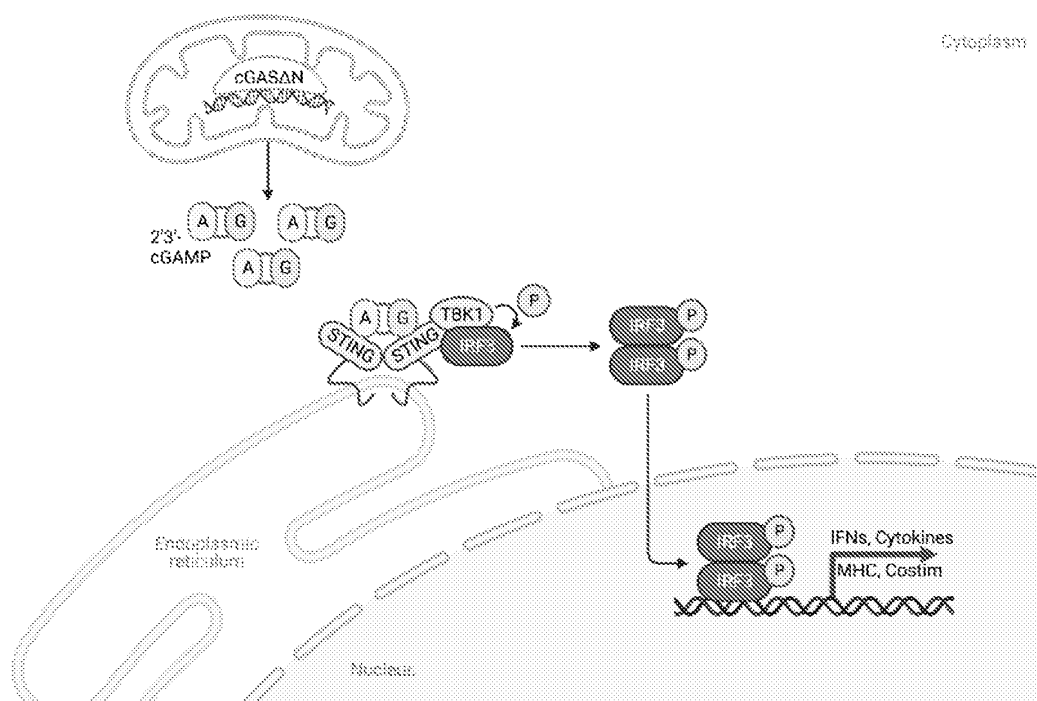


FIG. 3A

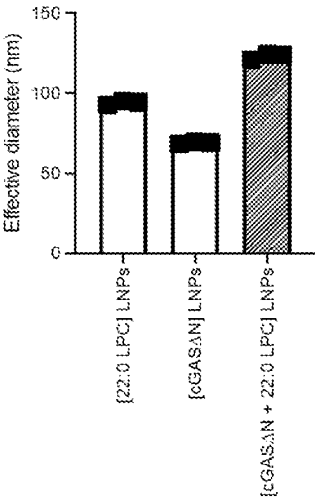


FIG. 3B

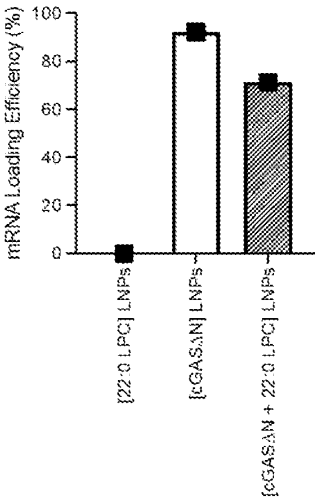


FIG. 3C

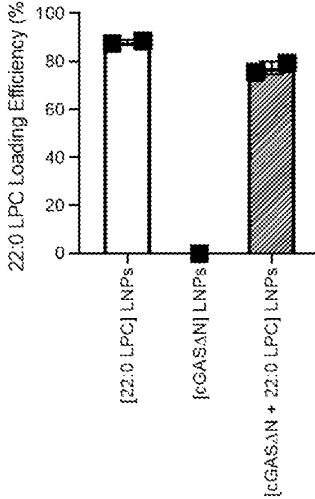


FIG. 4A

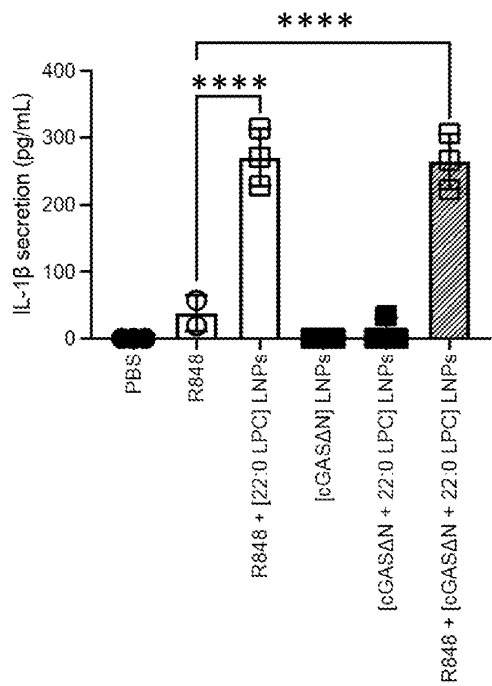


FIG. 4B

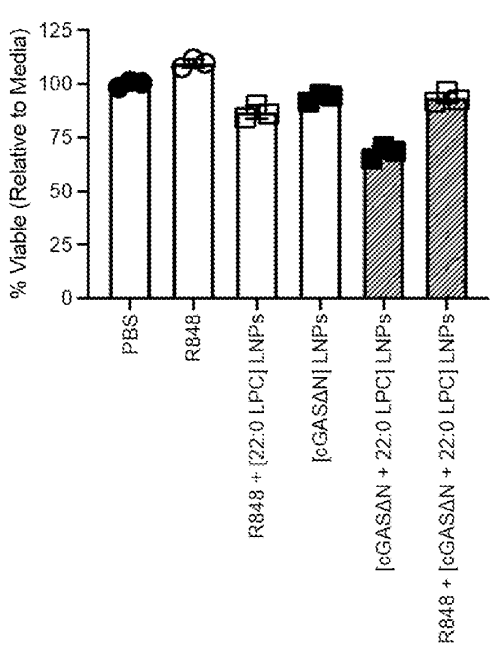


FIG. 5A

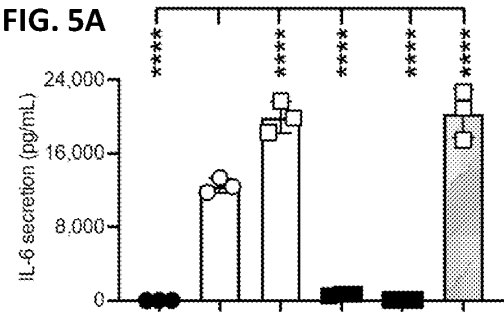


FIG. 5B

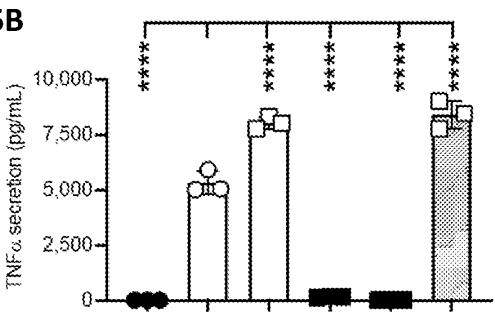


FIG. 5C

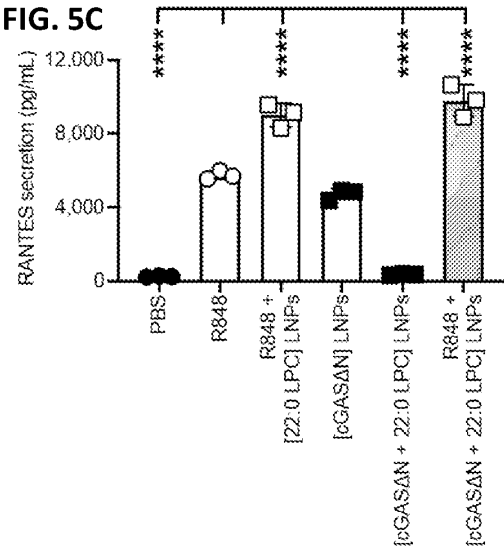


FIG. 5D

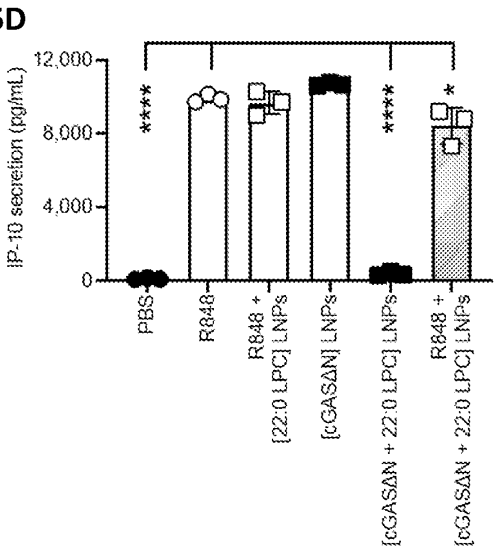


FIG. 6A

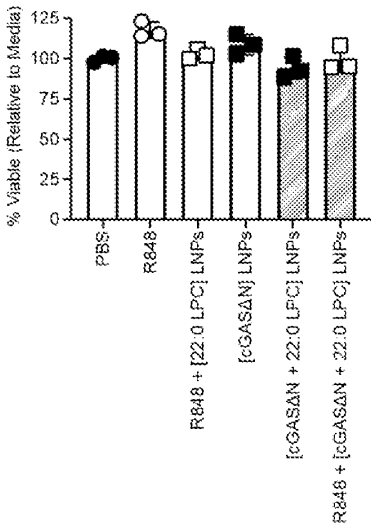


FIG. 6B

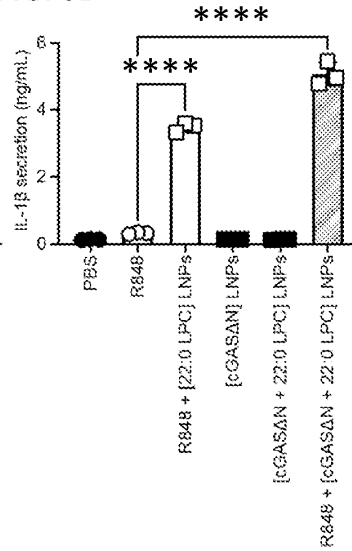
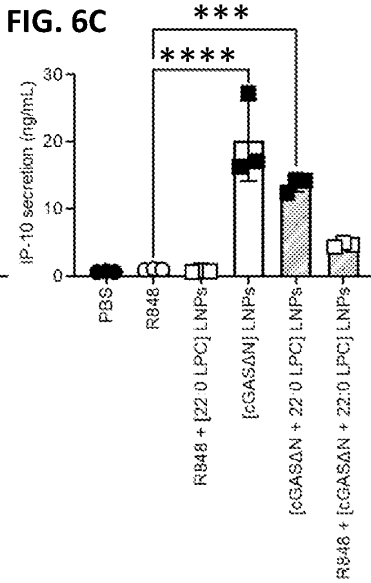


FIG. 6C



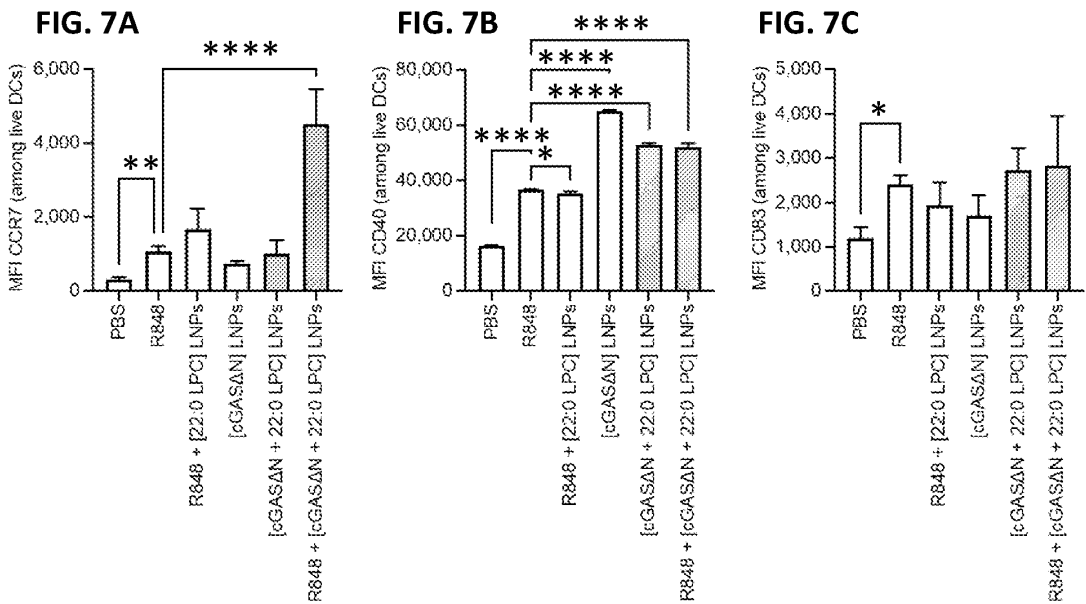


FIG. 8A

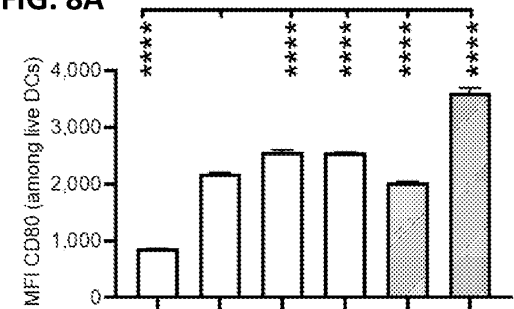


FIG. 8B

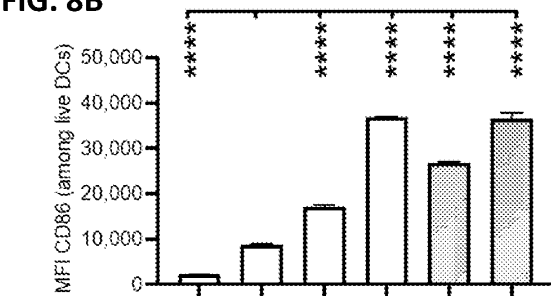


FIG. 8C

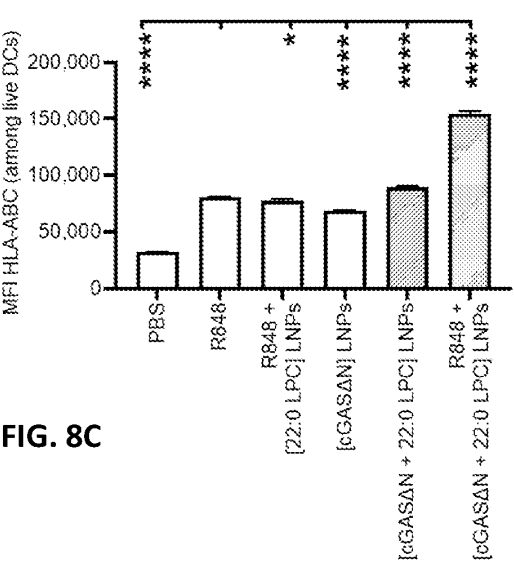


FIG. 8D

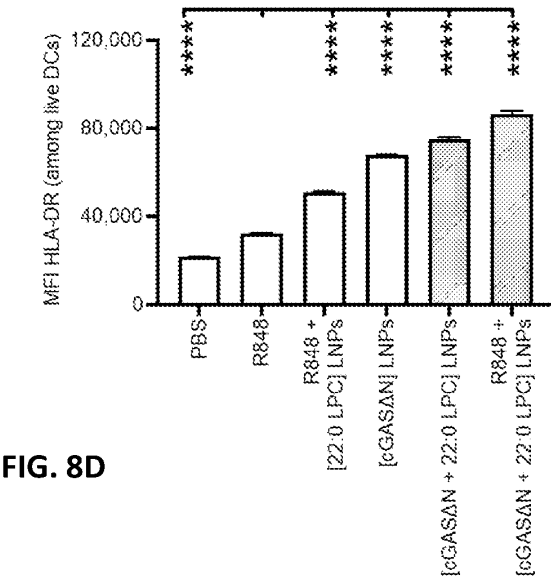


FIG. 9A

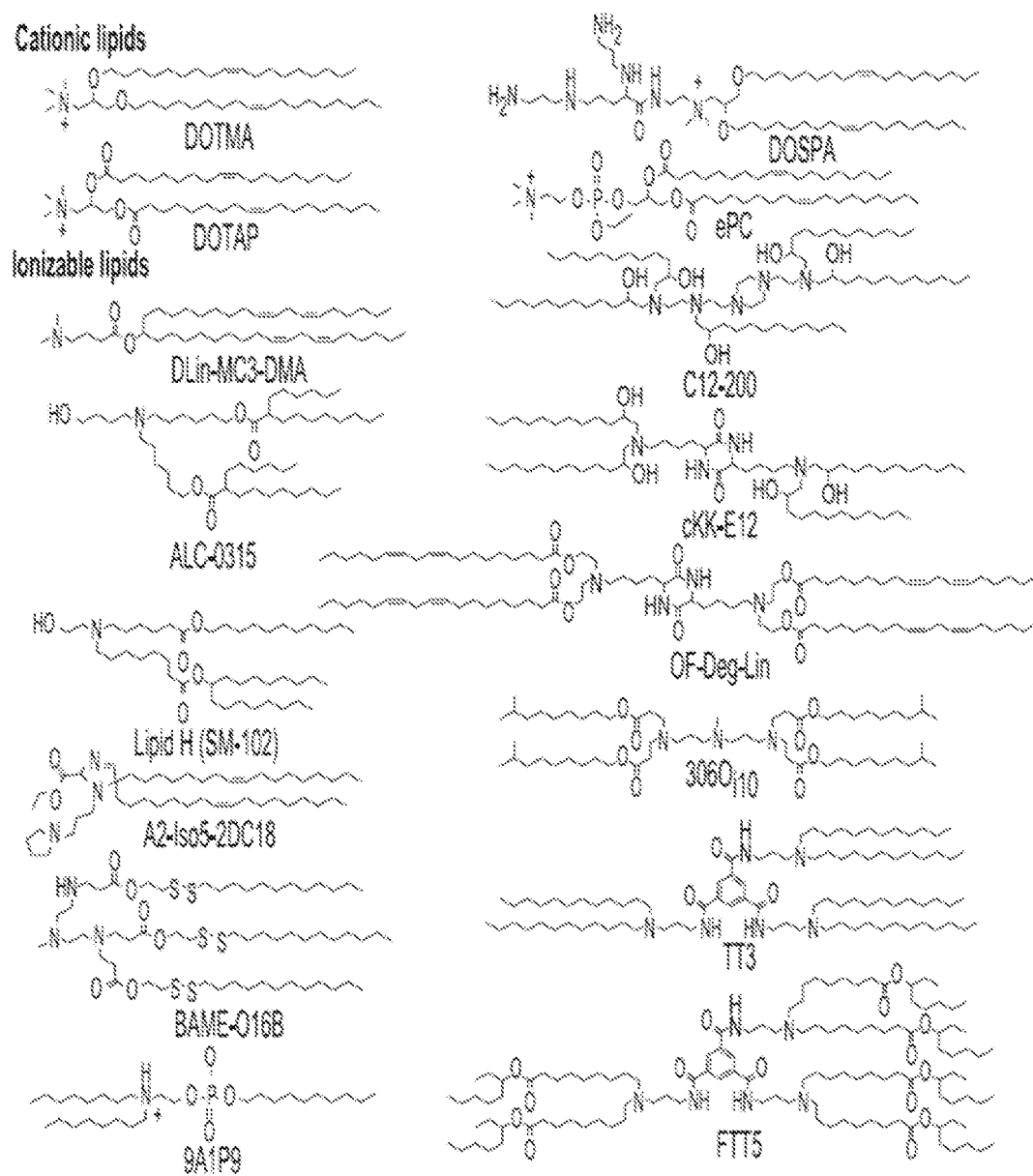


FIG. 9B

