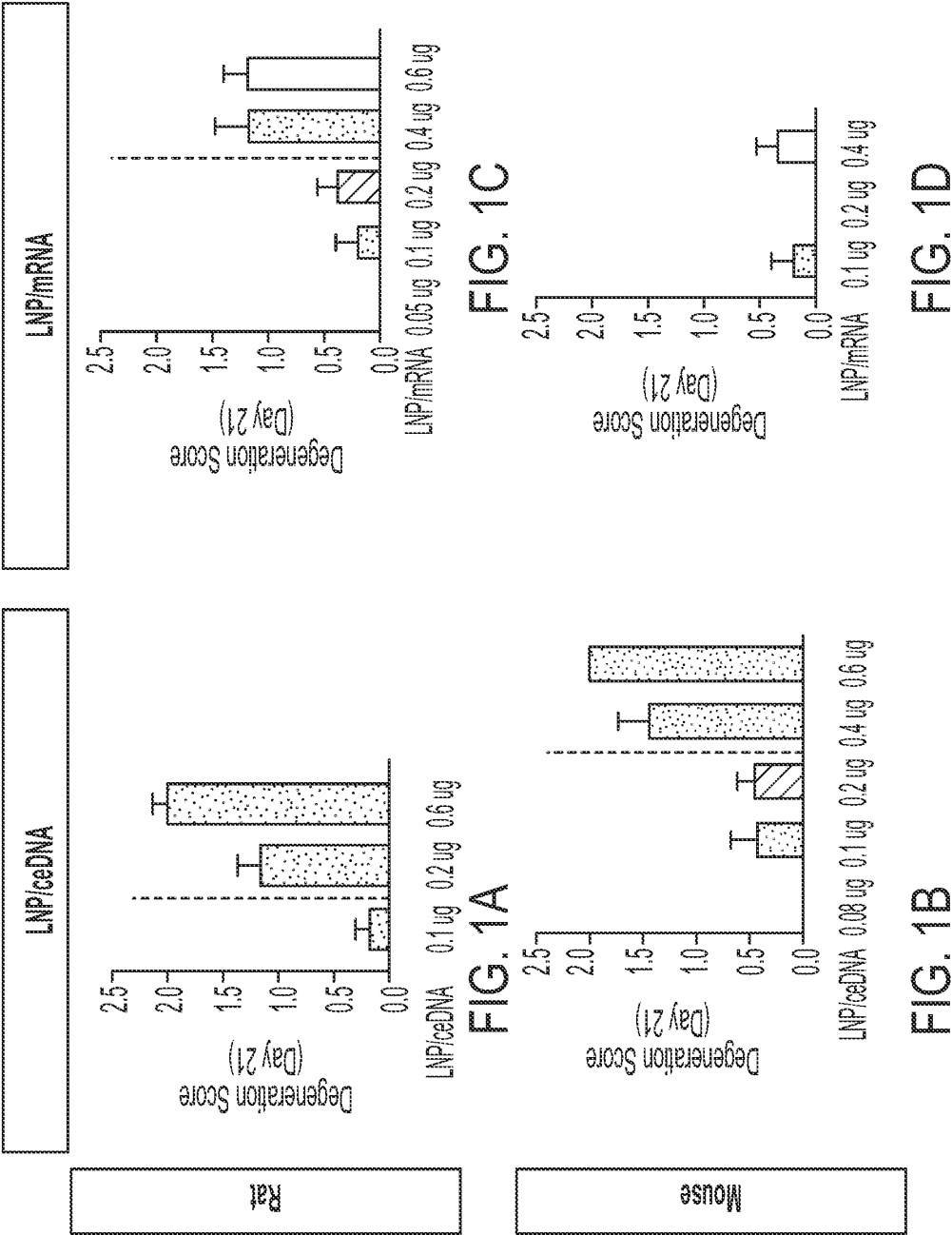
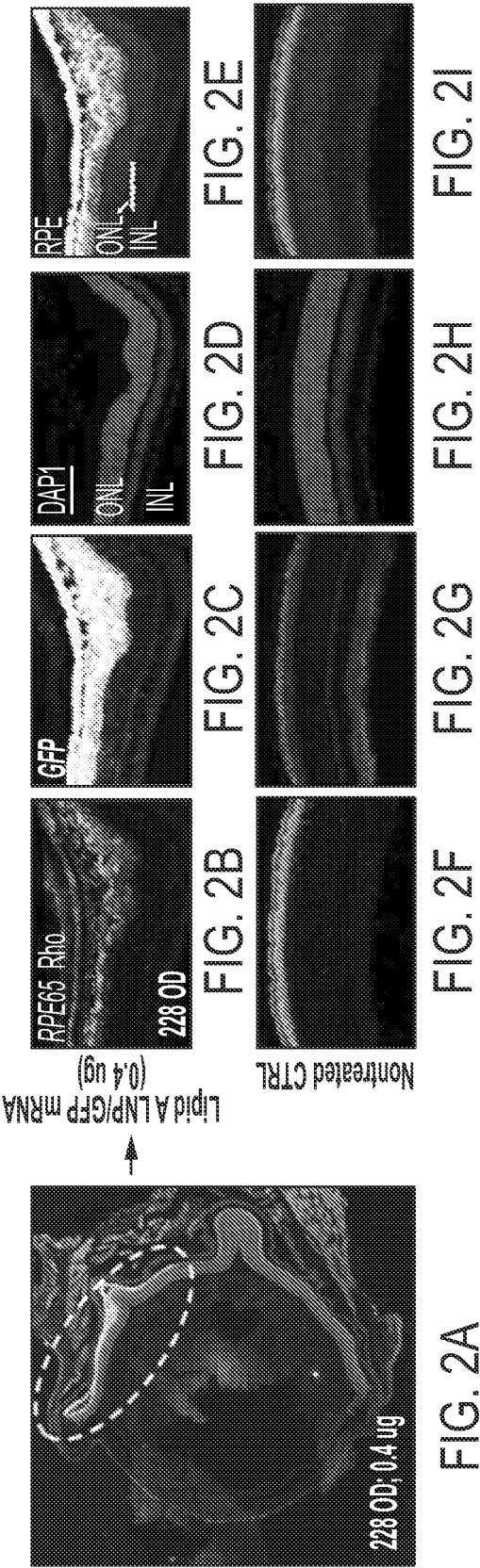






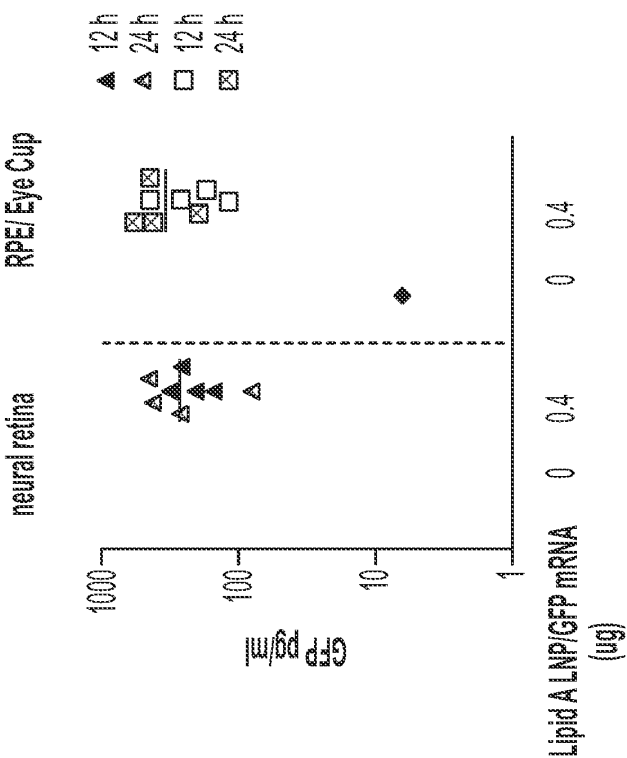
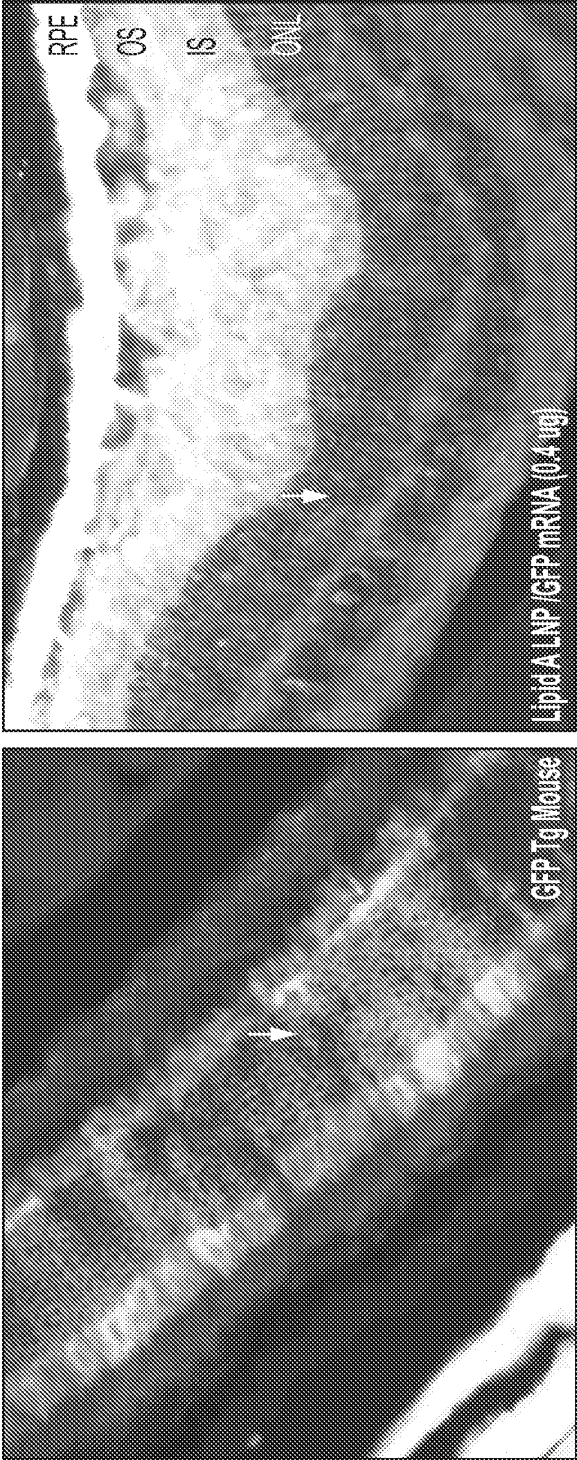


FIG. 3



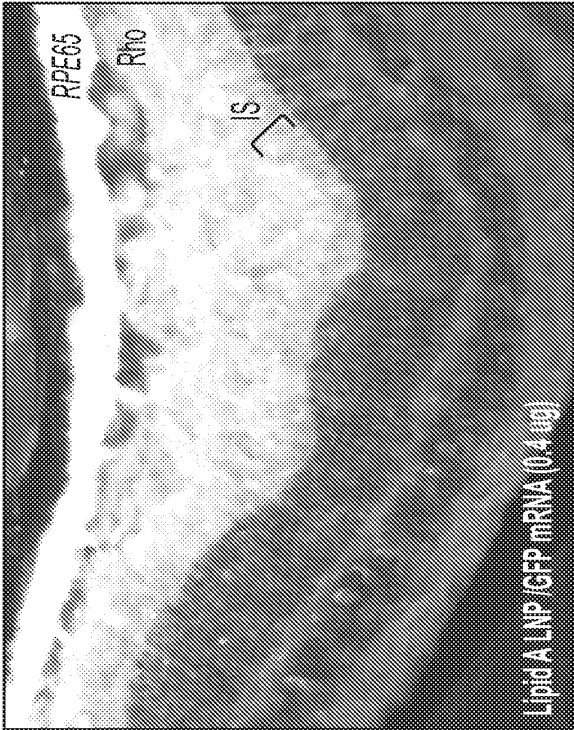


FIG. 5B

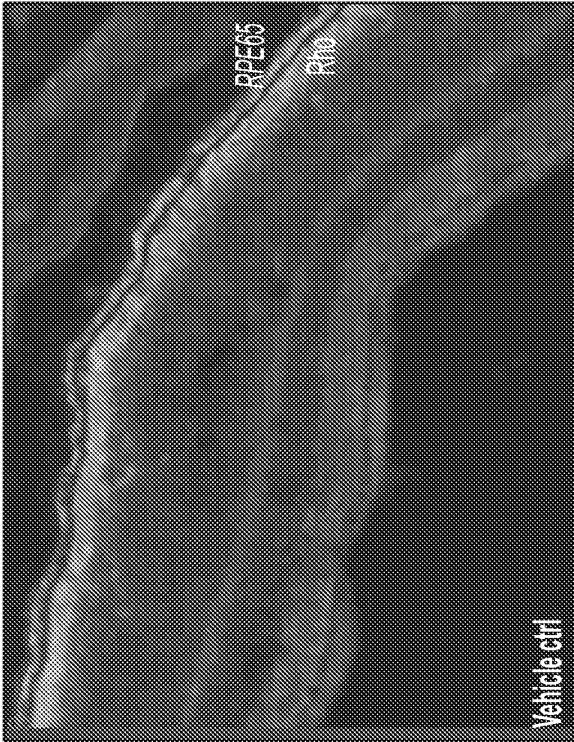


FIG. 5A

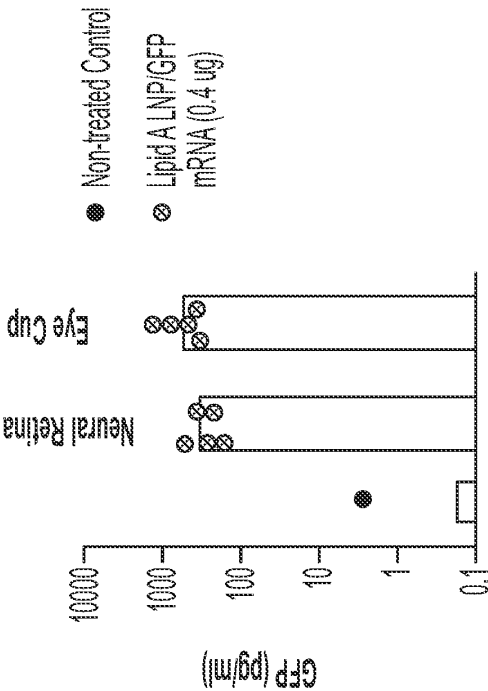
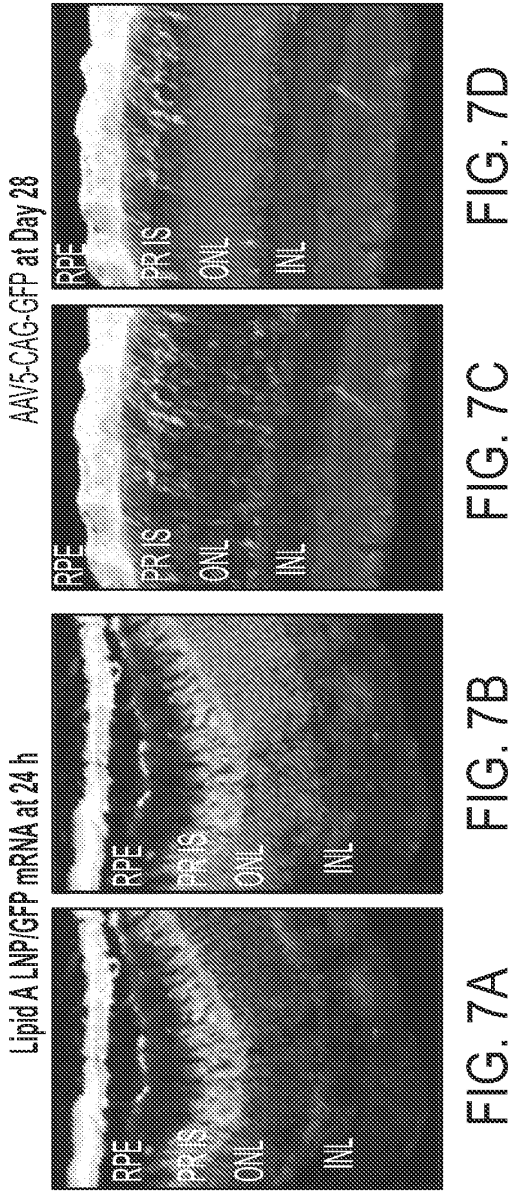


FIG. 6



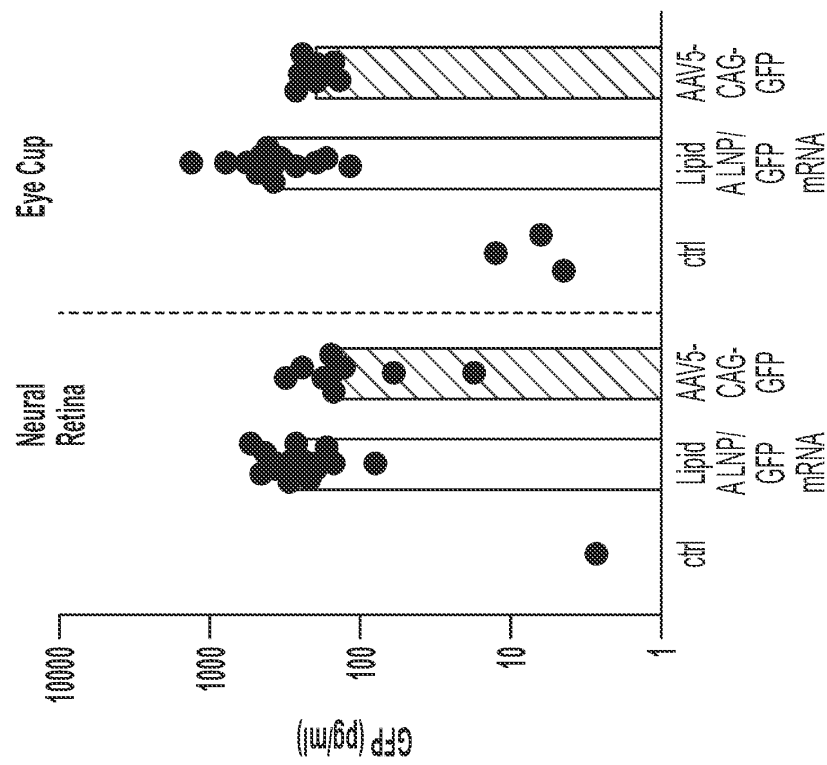


FIG. 7E

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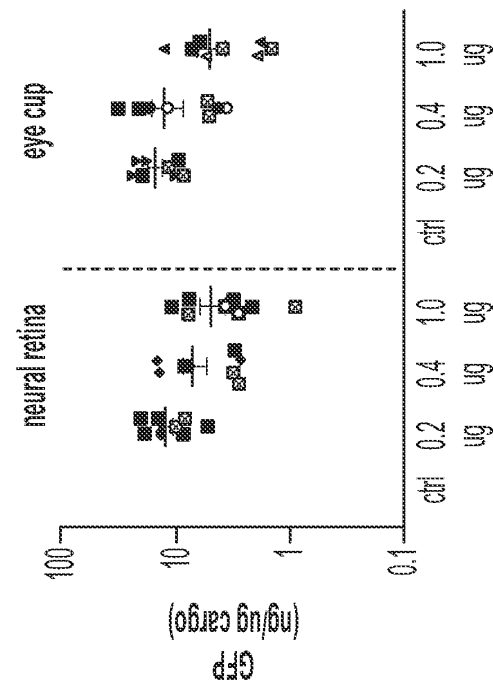


FIG. 8B

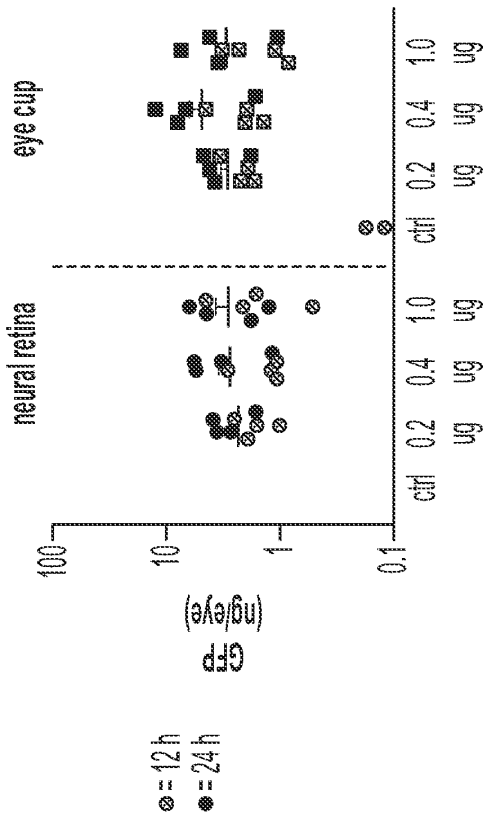


FIG. 8A

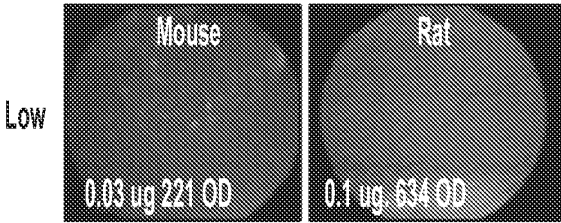


FIG. 9A FIG. 9D

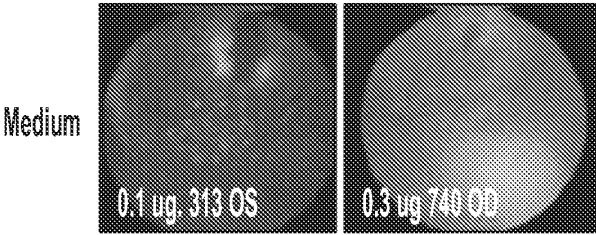


FIG. 9B FIG. 9E

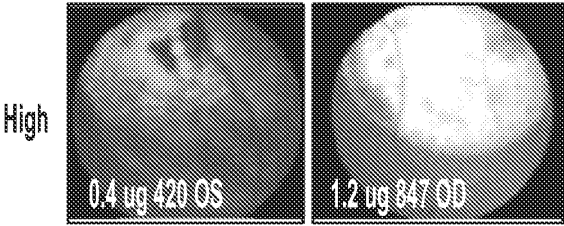
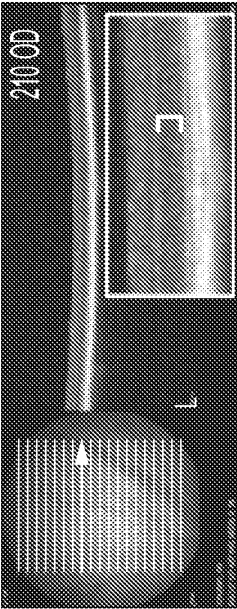


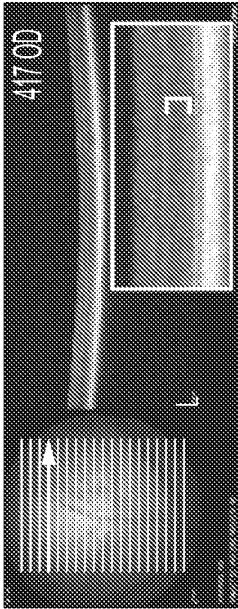
FIG. 9C FIG. 9F

	Mouse (ug)	Rat (ug)
Low	0.03	0.1
Medium	0.1	0.3
High	0.4	1.2



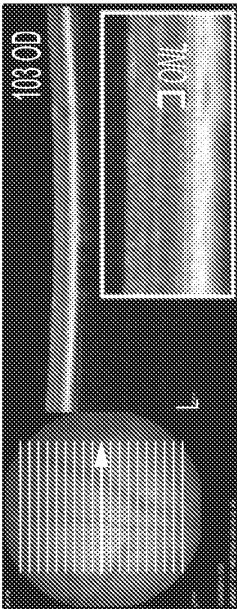
Lipid A LNP/
GFP mRNA
(0.03 ug)

FIG. 10B



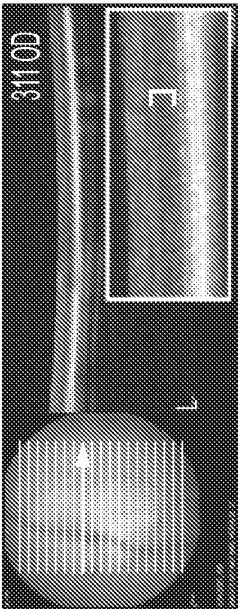
Lipid A LNP/
GFP mRNA
(0.4 ug)

FIG. 10D



Vehicle

FIG. 10A



Lipid A LNP/
GFP mRNA
(0.1 ug)

FIG. 10C

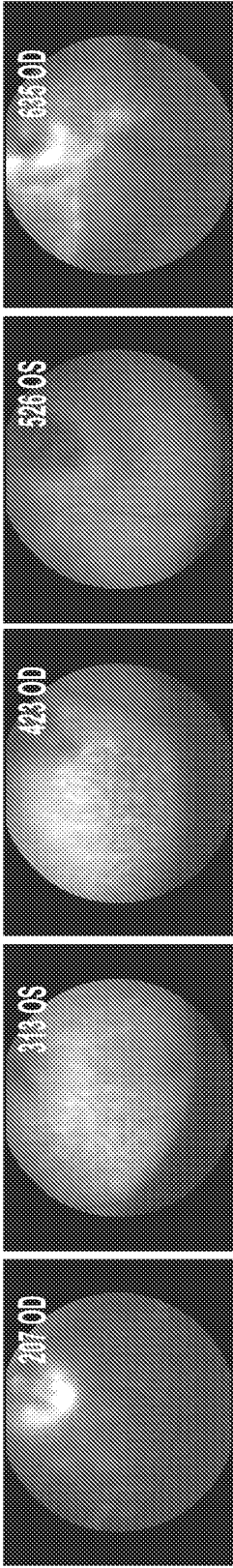


FIG. 11A
FIG. 11B
FIG. 11C
FIG. 11D
FIG. 11E

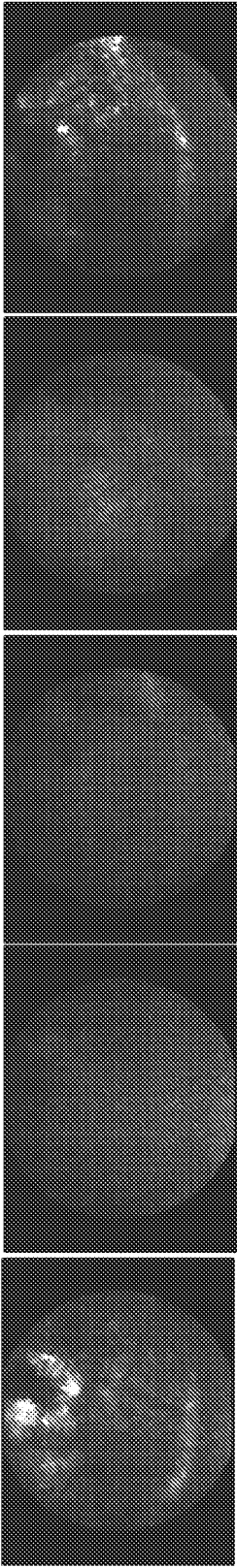


FIG. 11F
FIG. 11G
FIG. 11H
FIG. 11I
FIG. 11J

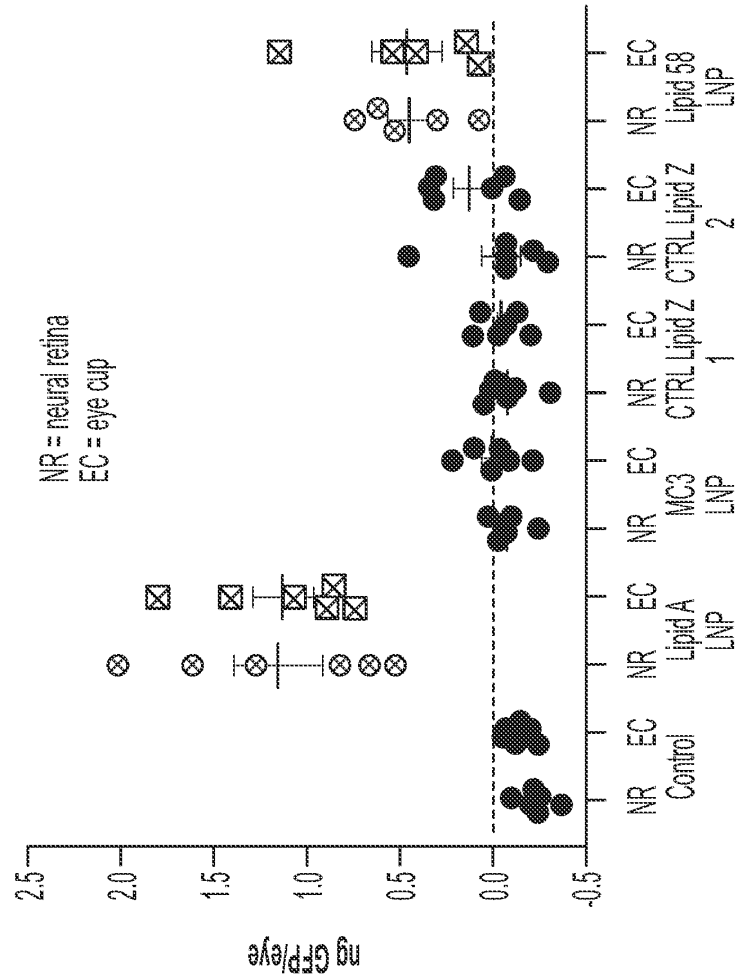


FIG. 12

▨ All Eyes
▩ Confirmed Bleb
▧ Verified Treatment Area

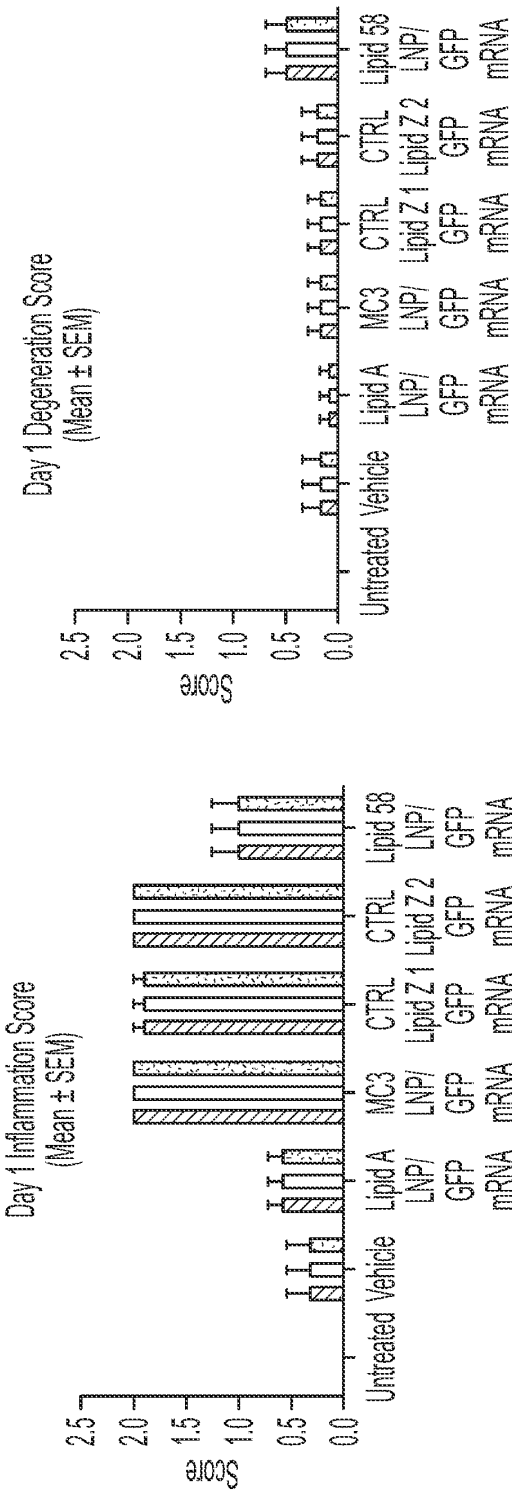


FIG. 13B

FIG. 13A

- All Eyes
- Confirmed Bleb
- Verified Treatment Area

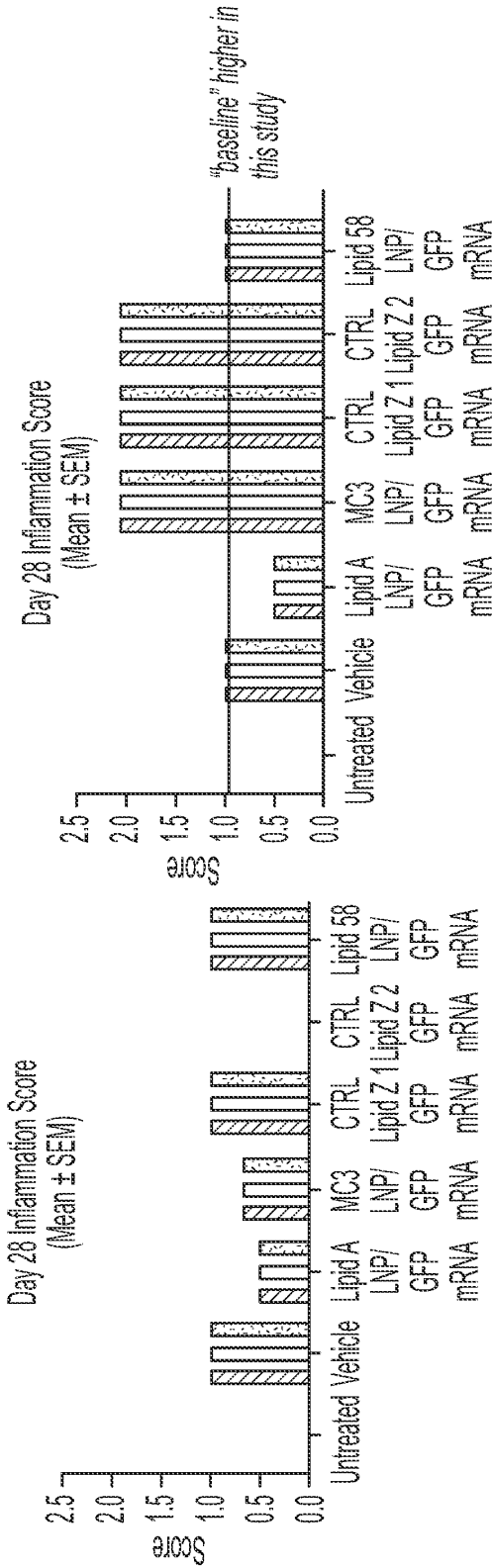


FIG. 13C

FIG. 13D

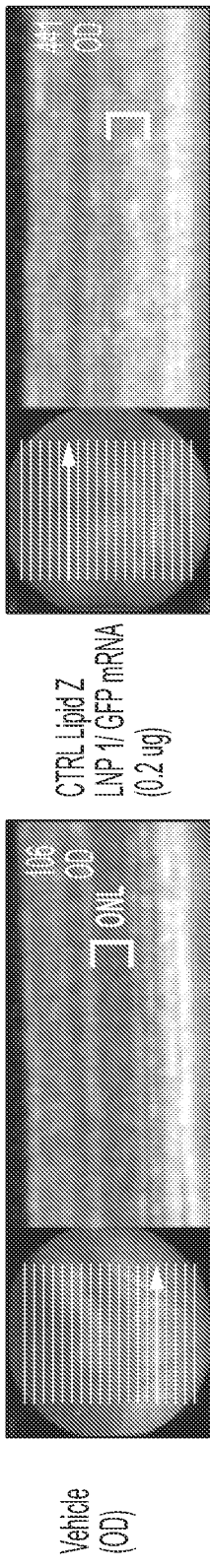


FIG. 14A

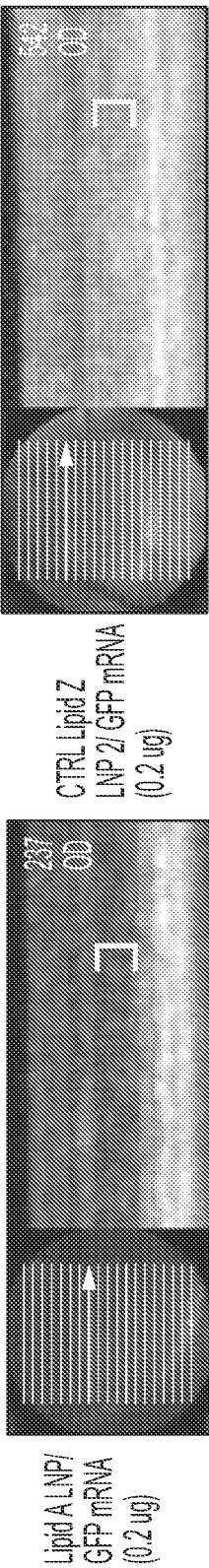


FIG. 14B

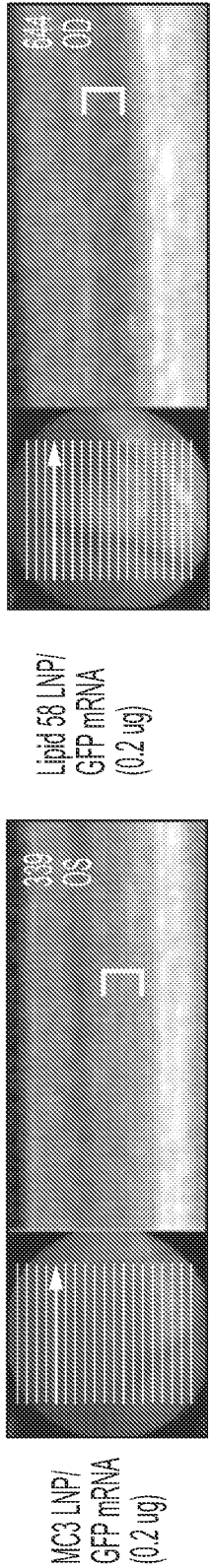


FIG. 14C

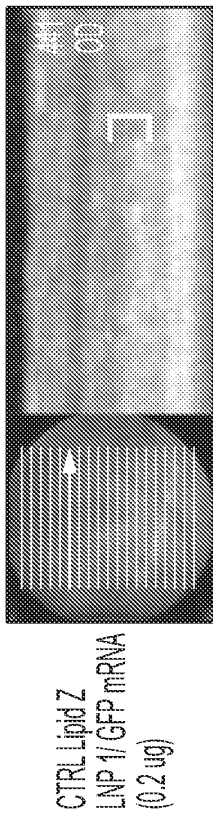


FIG. 14D

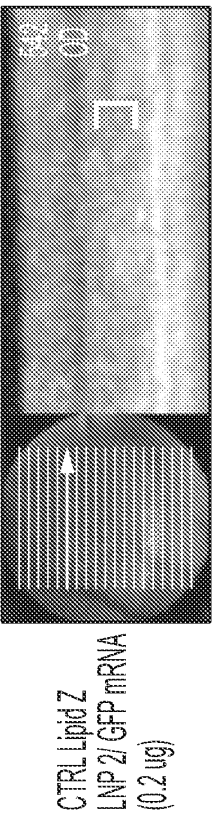


FIG. 14E

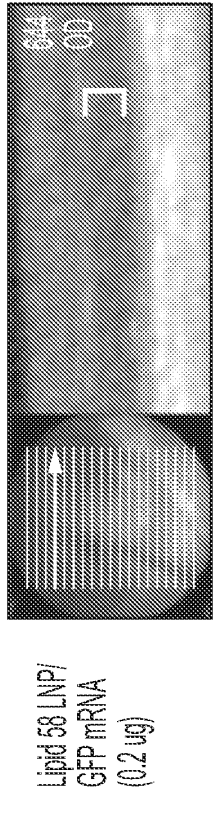
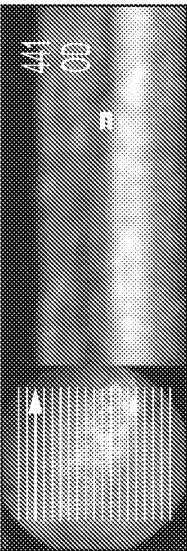
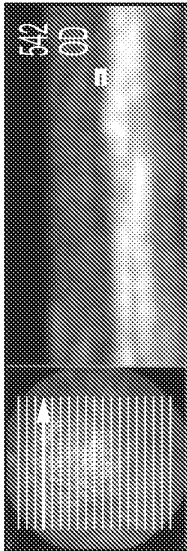


FIG. 14F



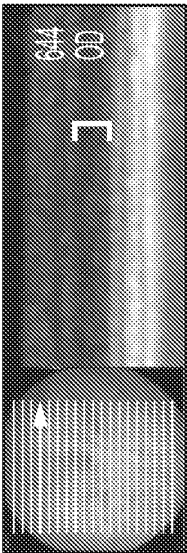
Vehicle
(OD)

FIG. 15A



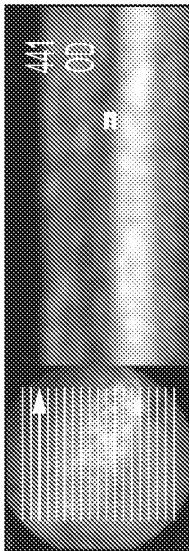
Lipid A LNP/
GFP mRNA
(0.2 ug)

FIG. 15B



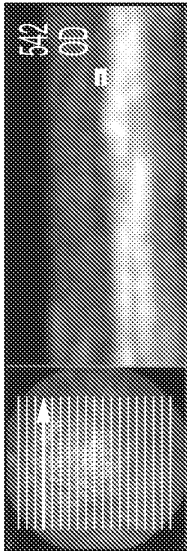
MC3 LNP/
GFP mRNA
(0.2 ug)

FIG. 15C



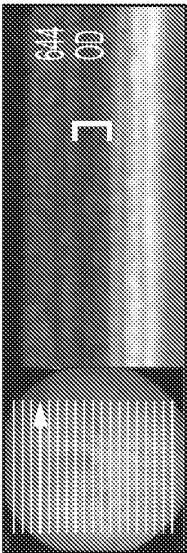
CTRL Lipid Z LNP 1/
GFP mRNA
(0.2 ug)

FIG. 15D



CTRL Lipid Z LNP 2/
GFP mRNA
(0.2 ug)

FIG. 15E



Lipid 58 LNP/
GFP mRNA
(0.2 ug)

FIG. 15F

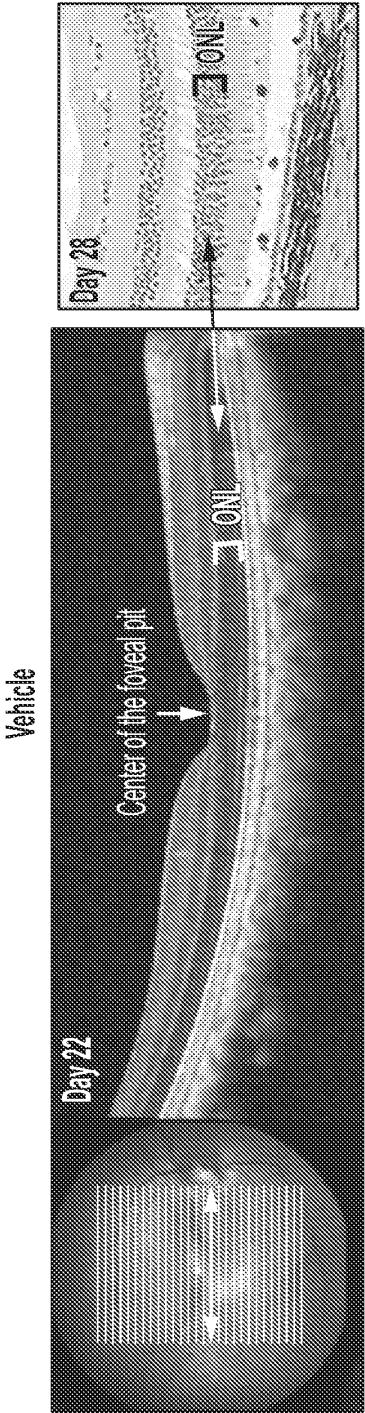


FIG. 16B

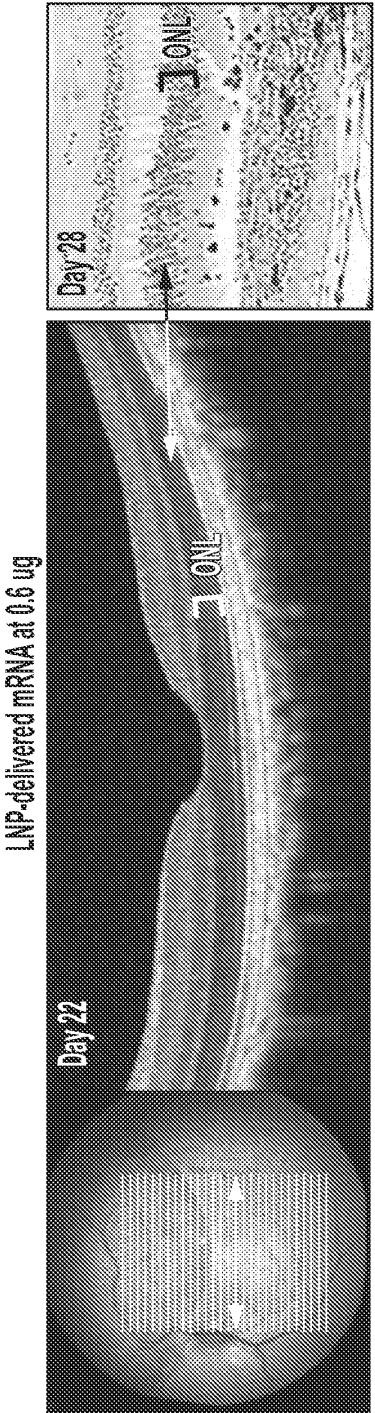


FIG. 16D

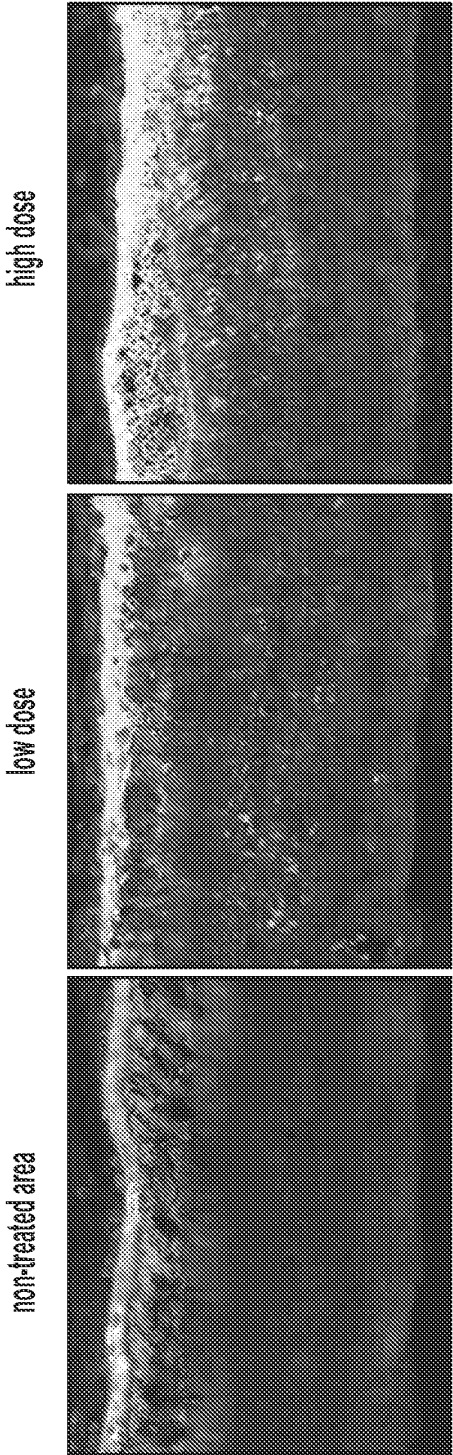


FIG. 17C

FIG. 17B

FIG. 17A

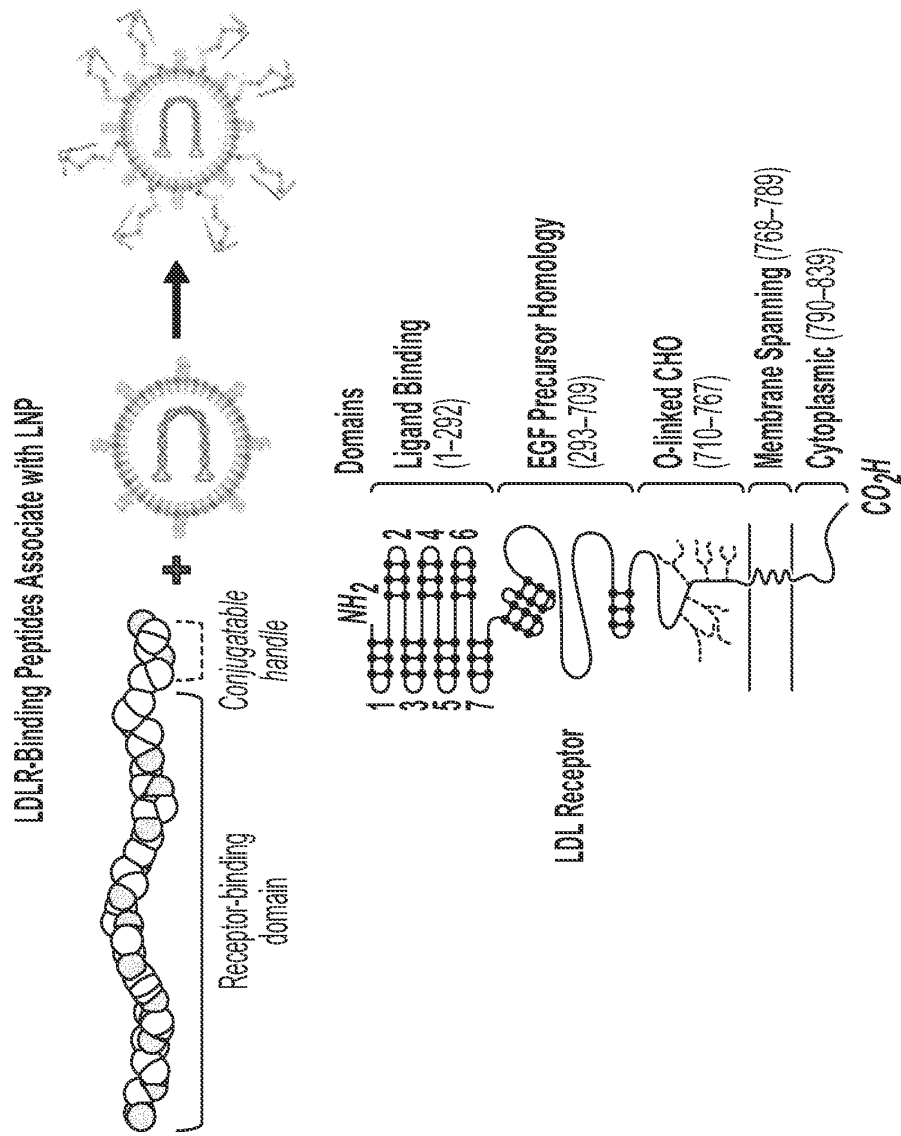


FIG. 18

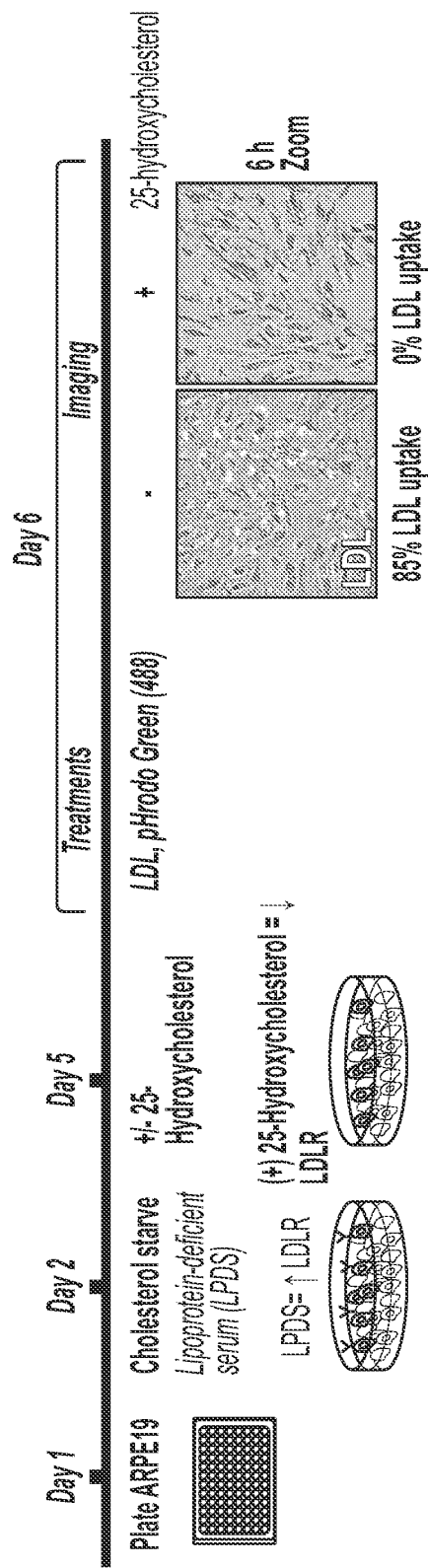


FIG. 19A

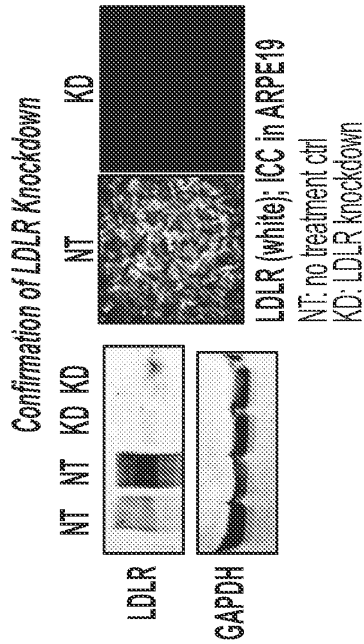
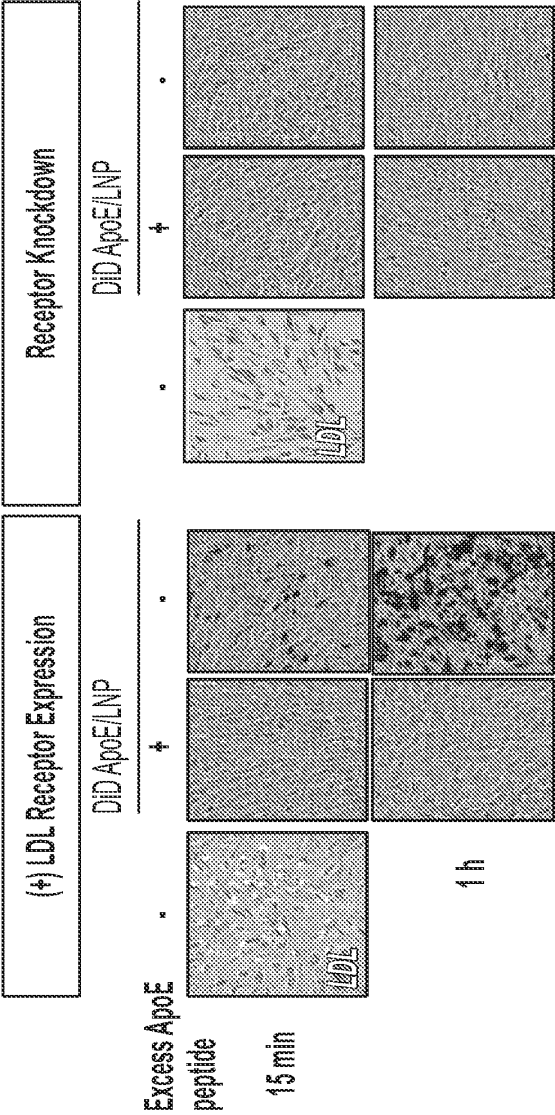


FIG. 19B



● : Uptake of DID-LNP; ○ : LDL-Alexa Fluor 488

FIG. 20

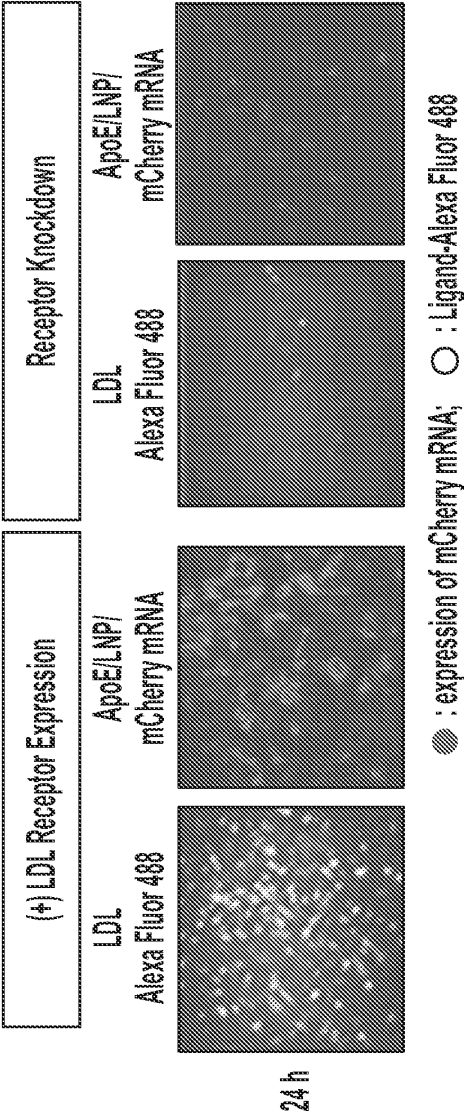


FIG. 21

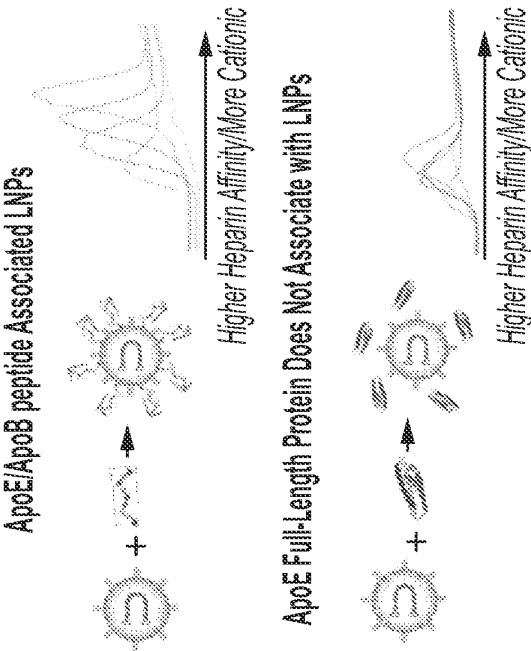


FIG. 22A

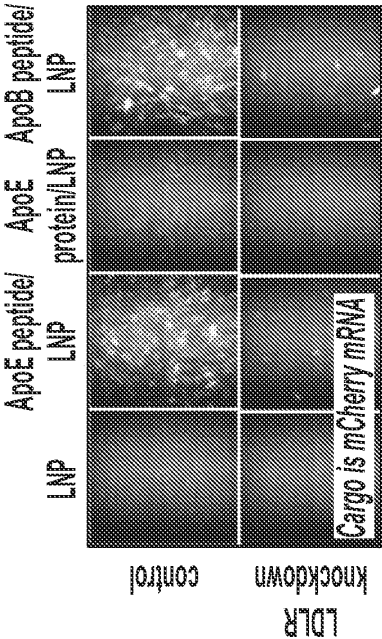
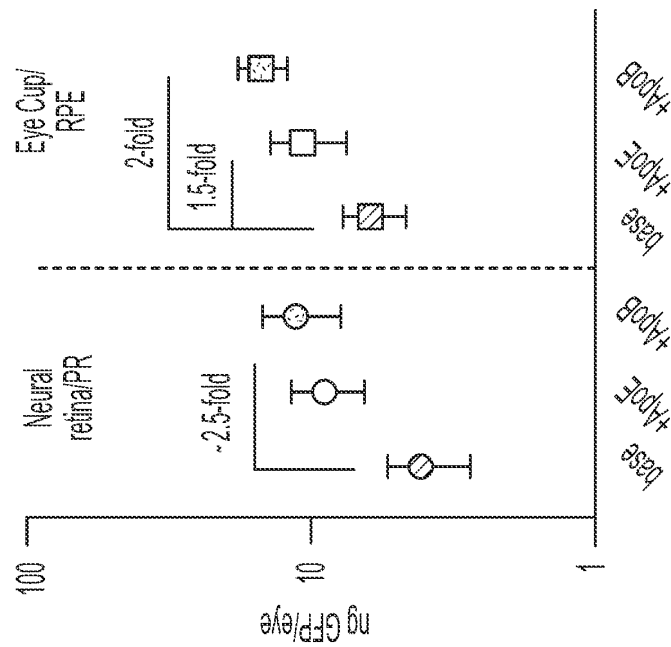


FIG. 22B



All formulations dosed at 0.1 ug
"Base" shown in the ELISA is ~2 logs above non-injected groups

FIG. 23B

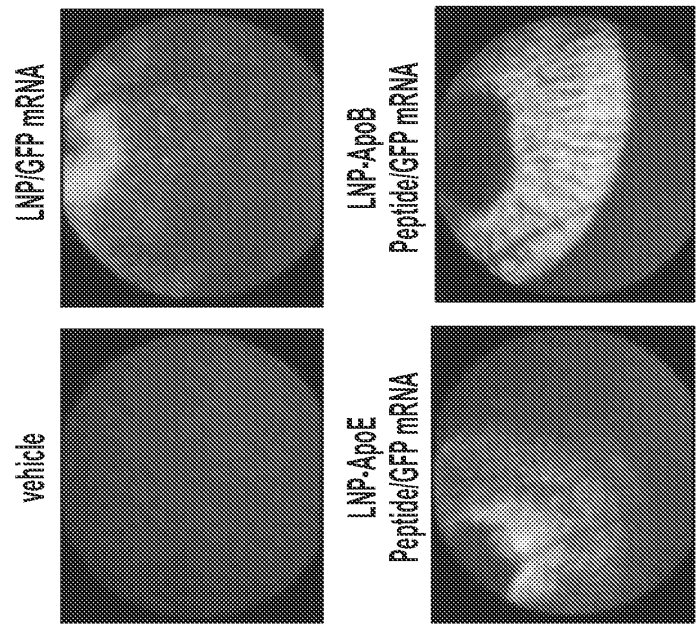


FIG. 23A

ApoE peptide:
EELRVRLASHLRKLRKRLRDADDLQKGG

Physiochemical properties

Number of residues:
Molecular weight:
Extinction coefficient:
Iso-electric point:
Net charge at pH 7:
Estimated solubility:

30
3548.12 g/mol
0 M⁻¹cm⁻¹
pH 10.82
4
Good water solubility

notes on MW
notes on Ext. Coefficient
notes on pI
notes on net charge
notes on solubility

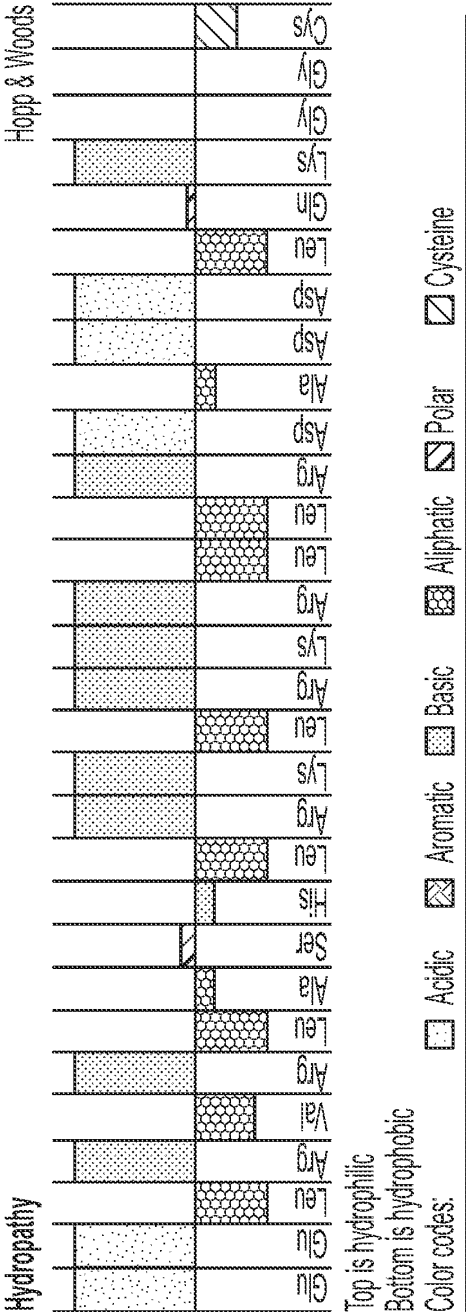
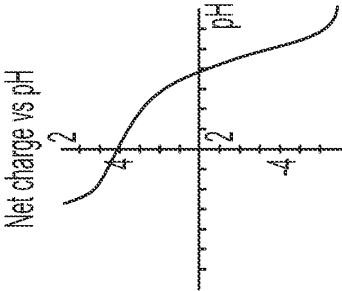
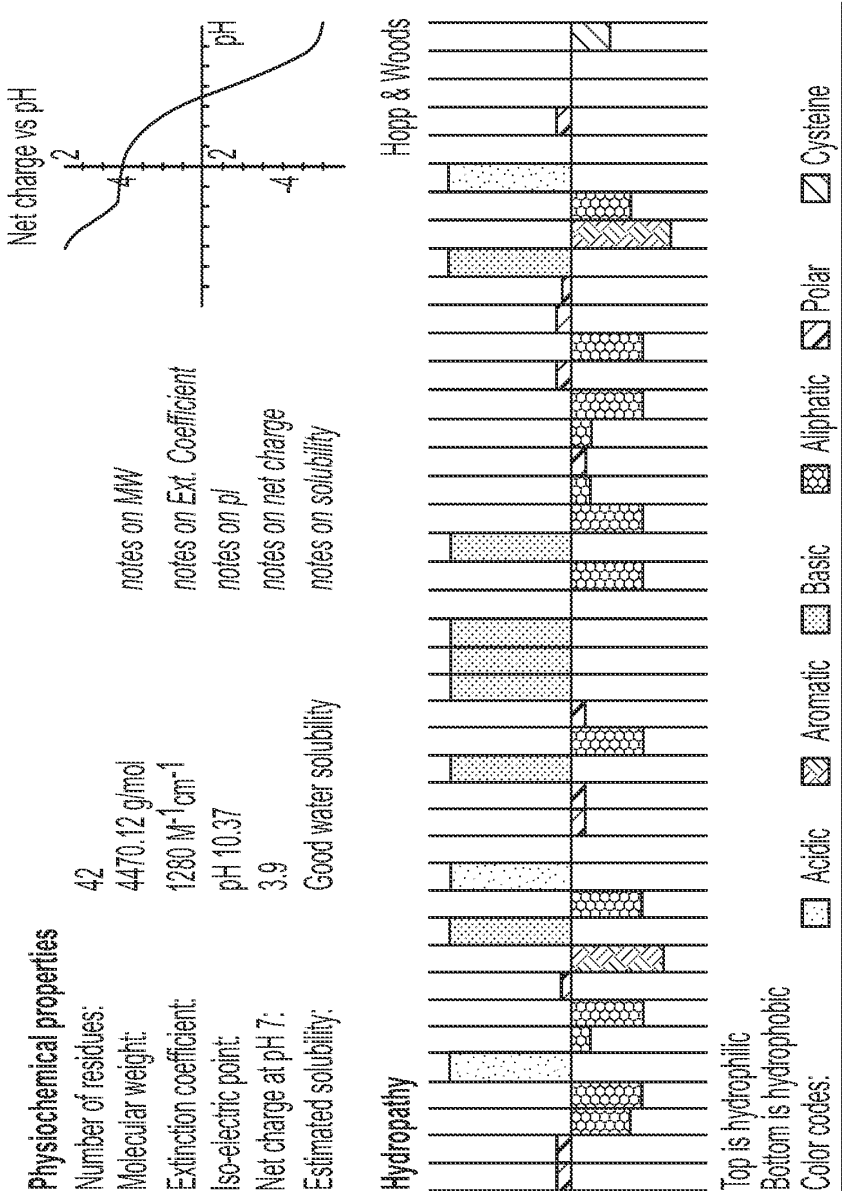
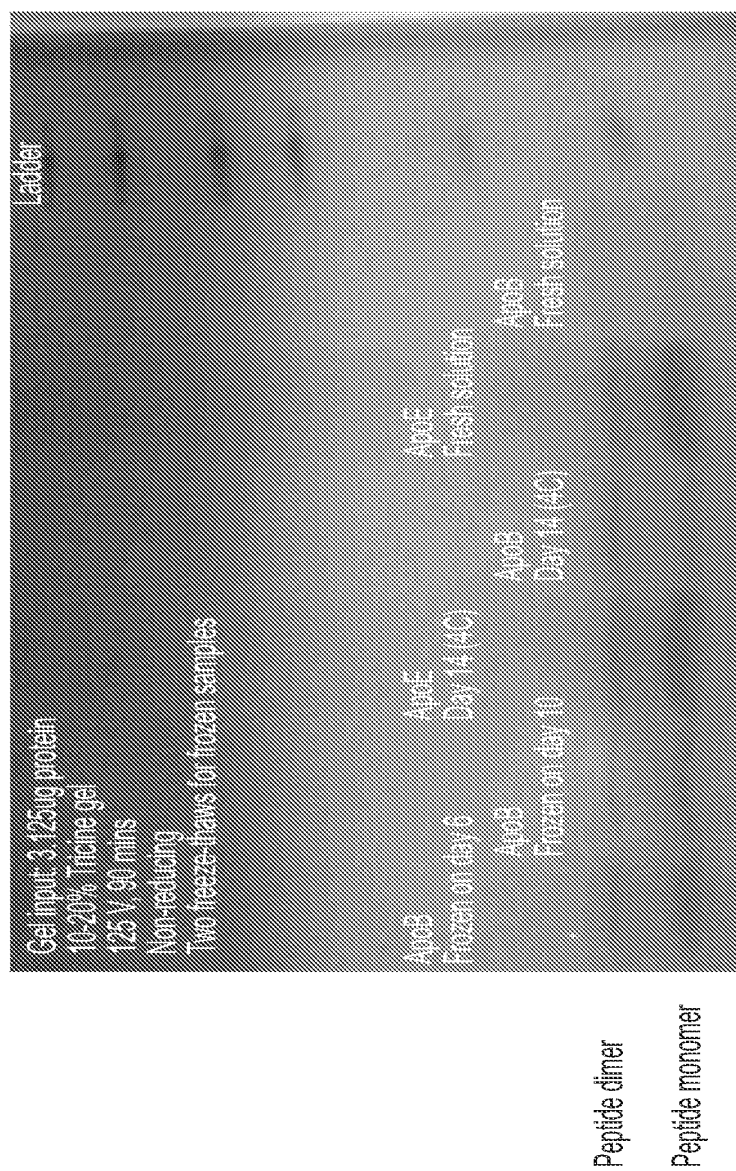


FIG. 24

ApoB peptide:
SSVIDALQYKLEGGTTLTRKRGKLATALSLNKFVEGSGG





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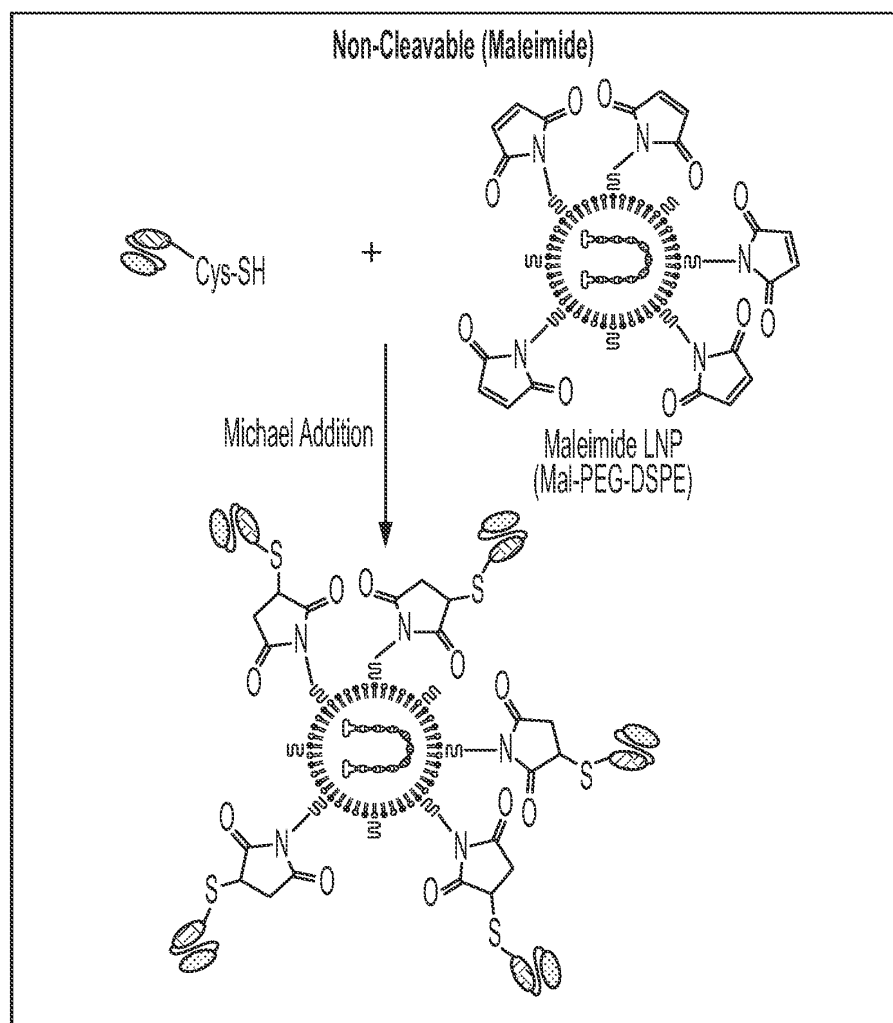


FIG. 26A

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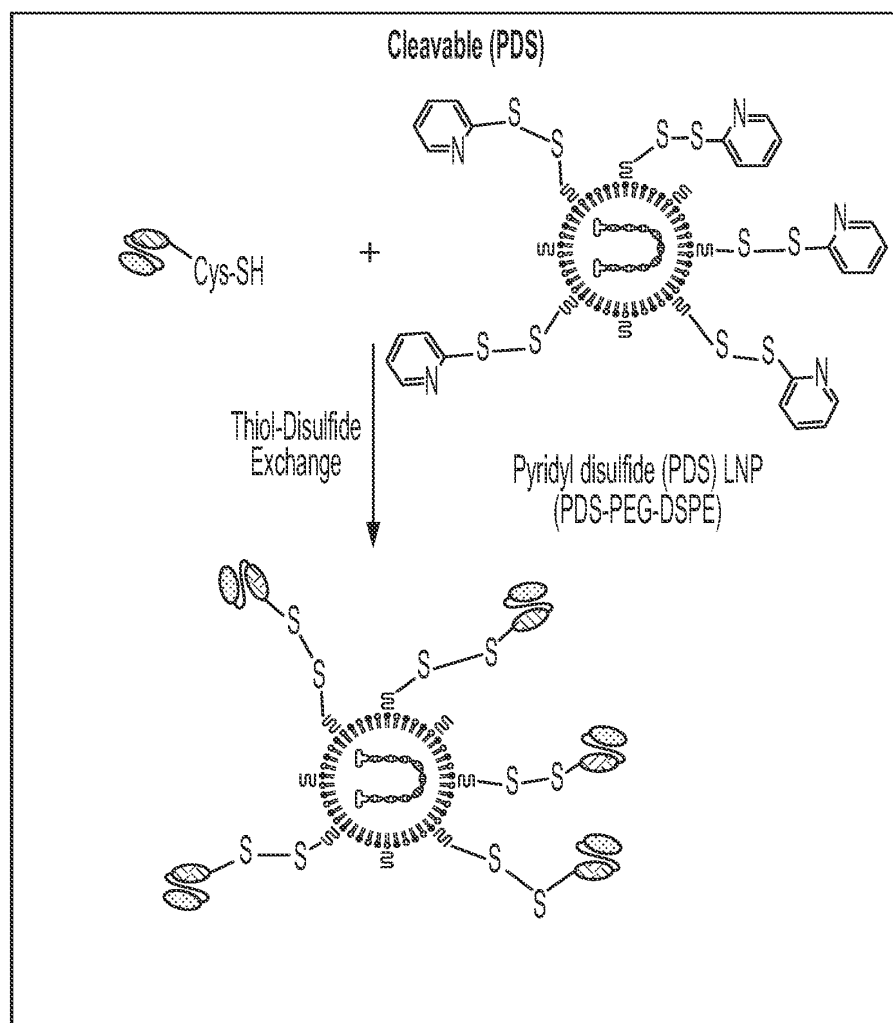
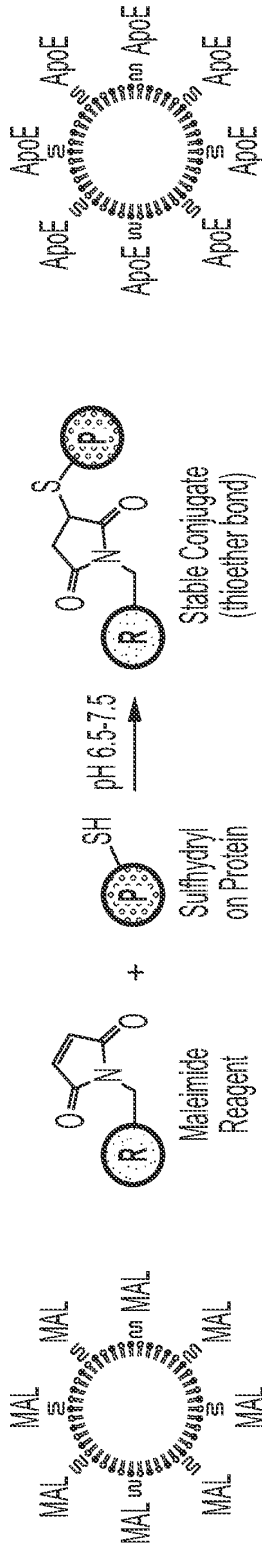


FIG. 26B



Peptide reaction excess relative to # of maleimides

Peptide	Reaction excess
ApoE	2x
ApoB	0.5x

FIG. 27

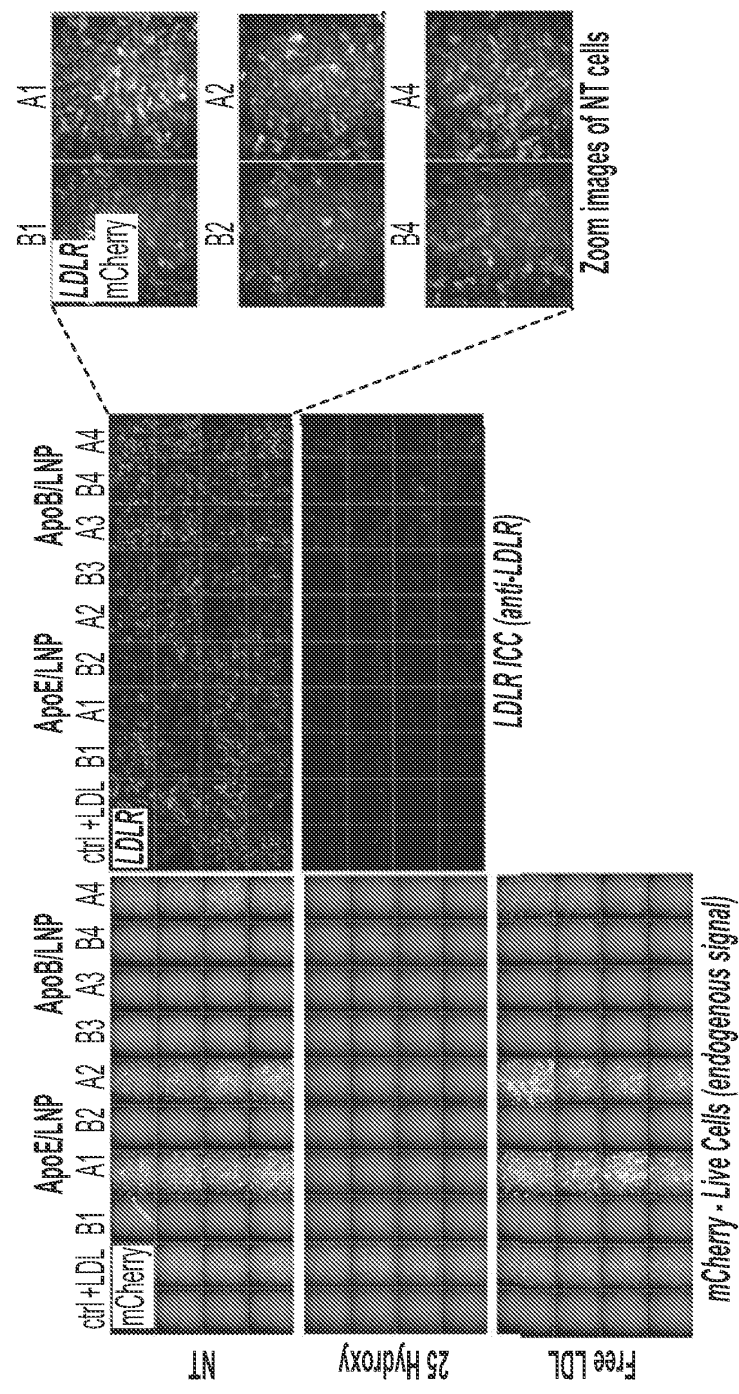


FIG. 28

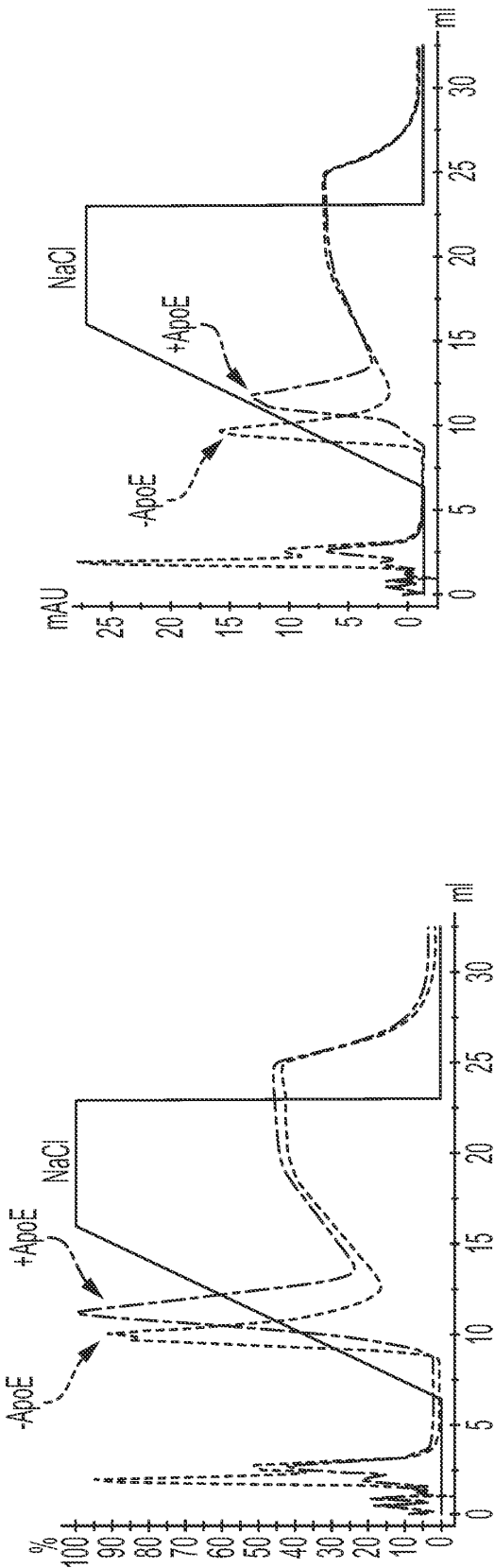


FIG. 29A

FIG. 29B

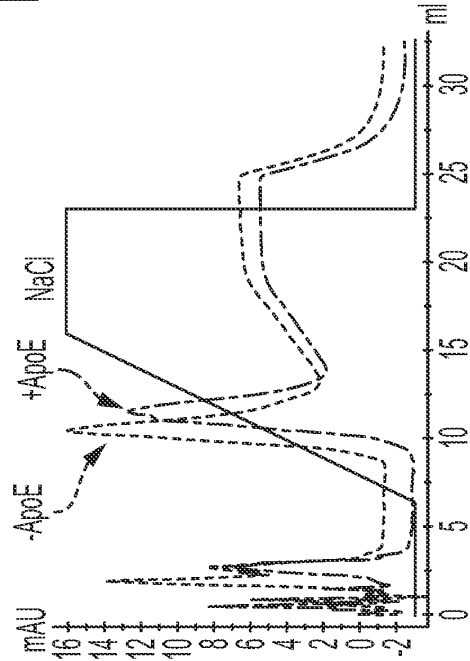


FIG. 29C

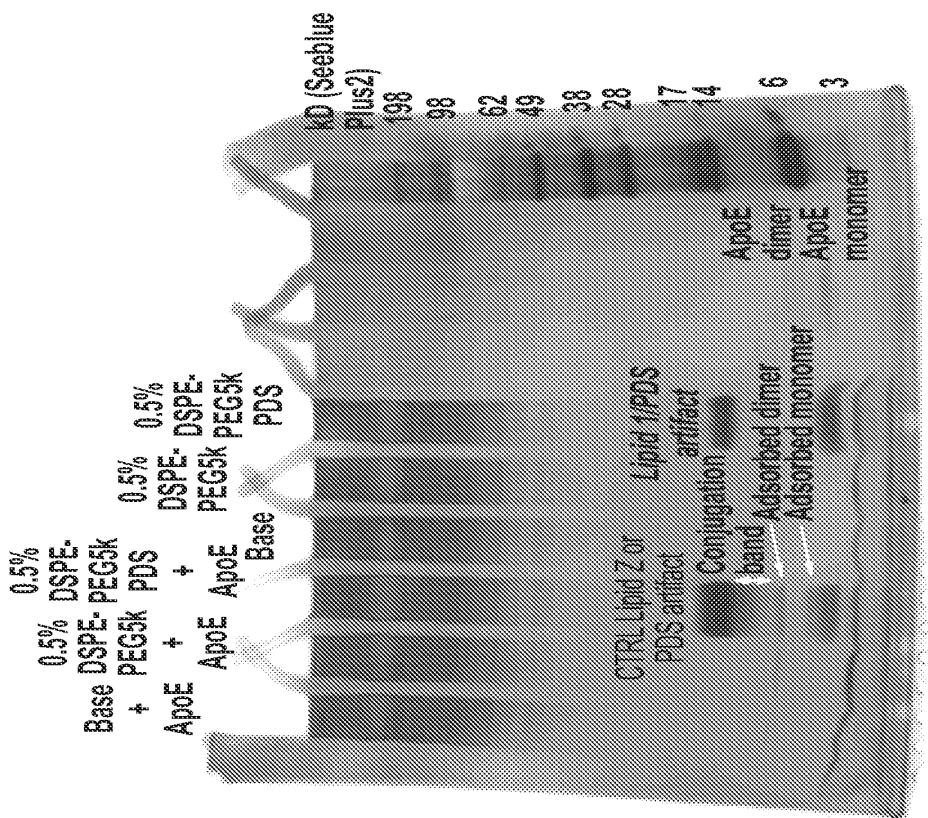


FIG. 30

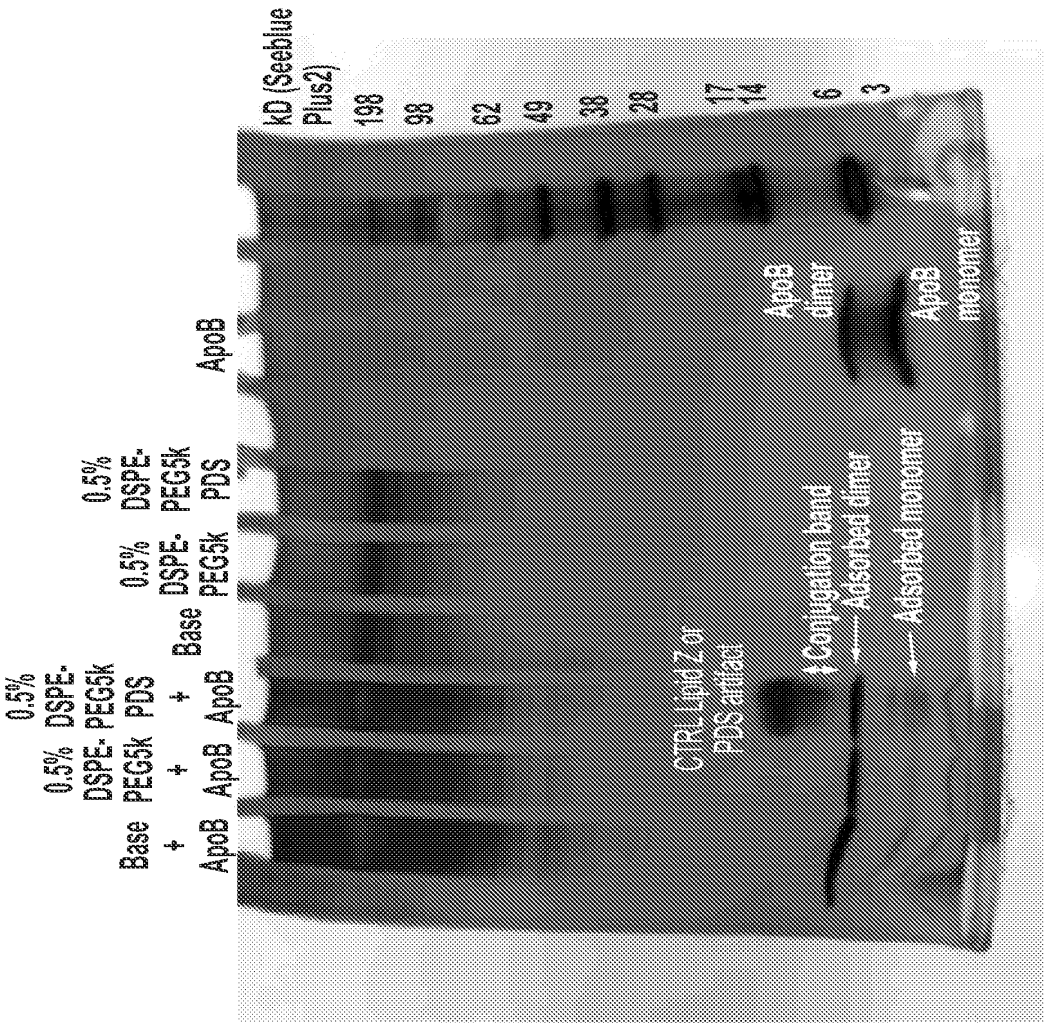


FIG. 31

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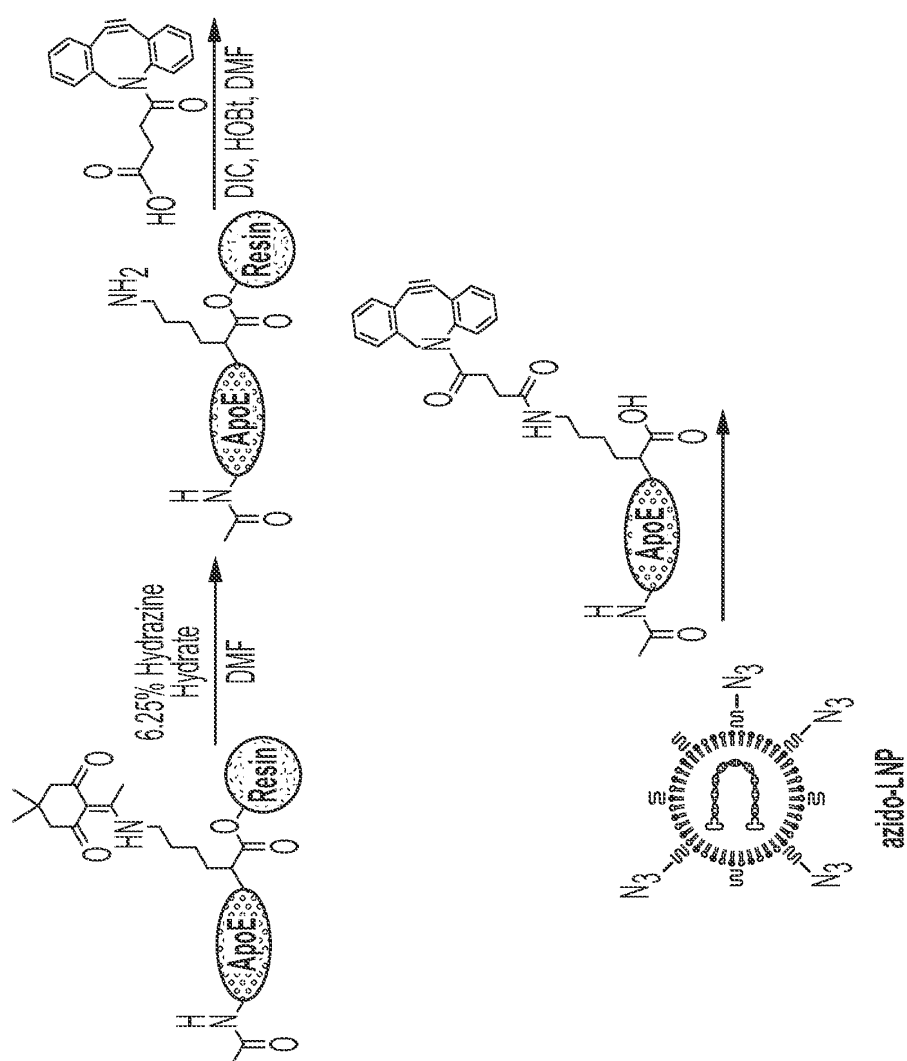
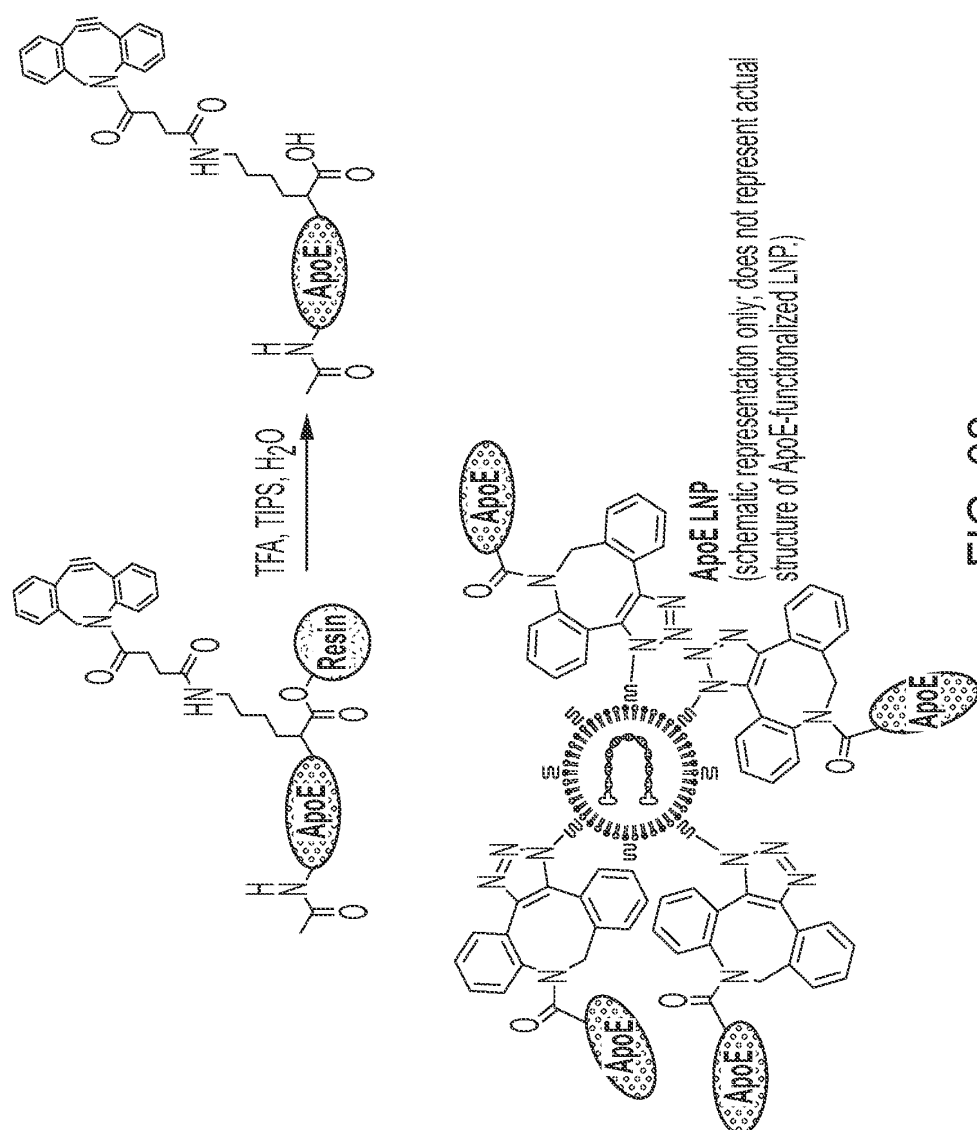


FIG. 32

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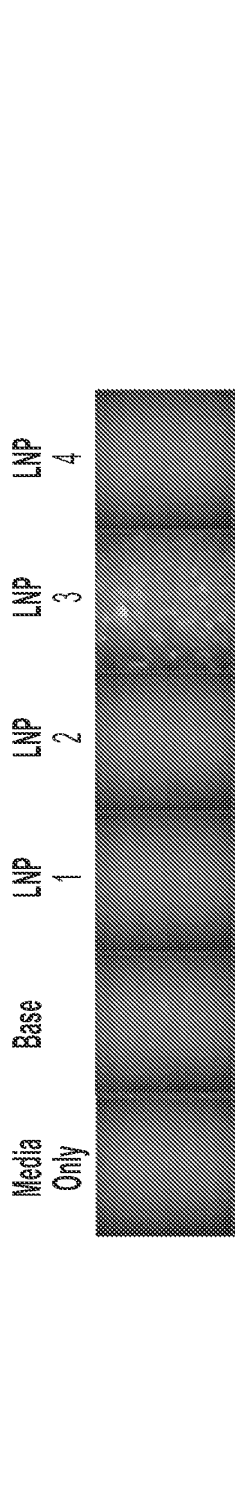


FIG. 33A

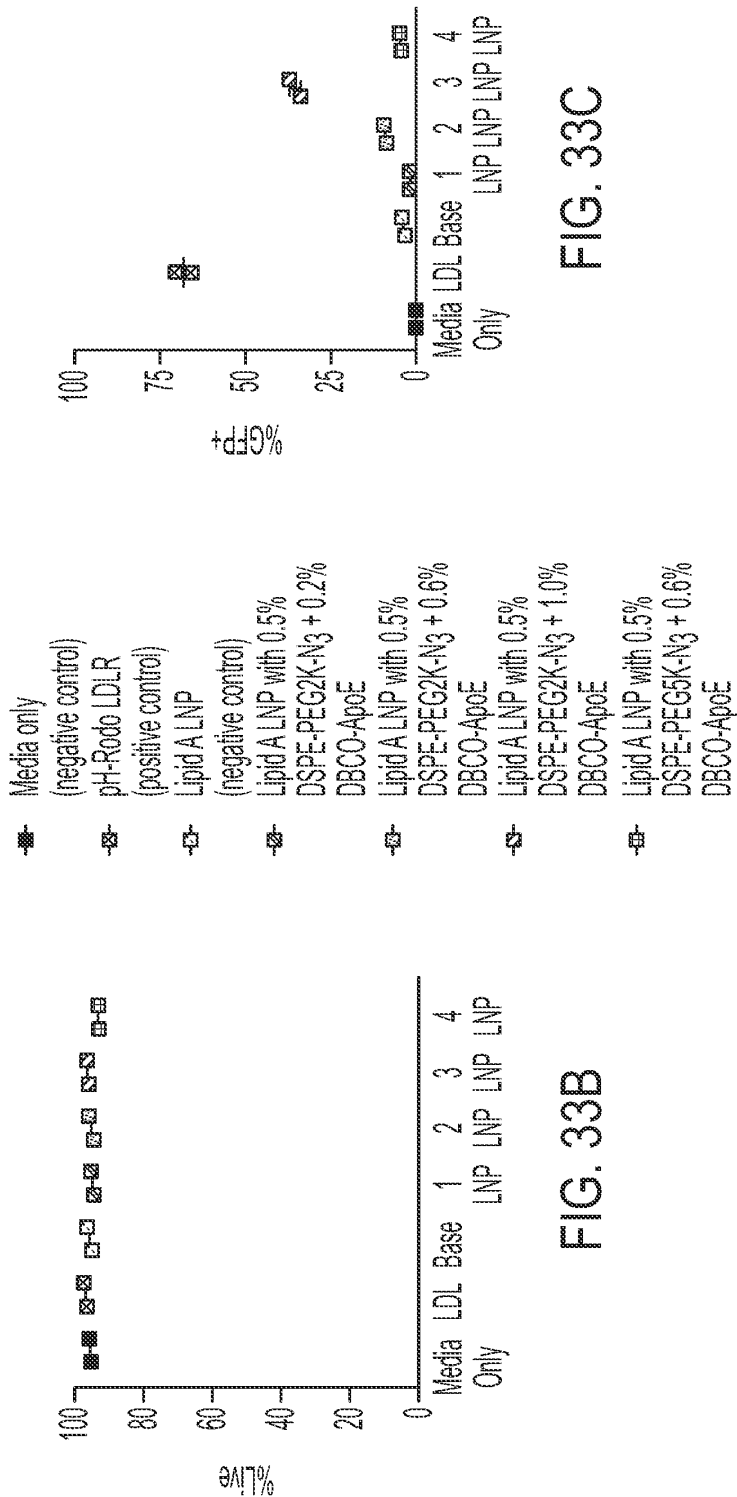


FIG. 33B

FIG. 33C