

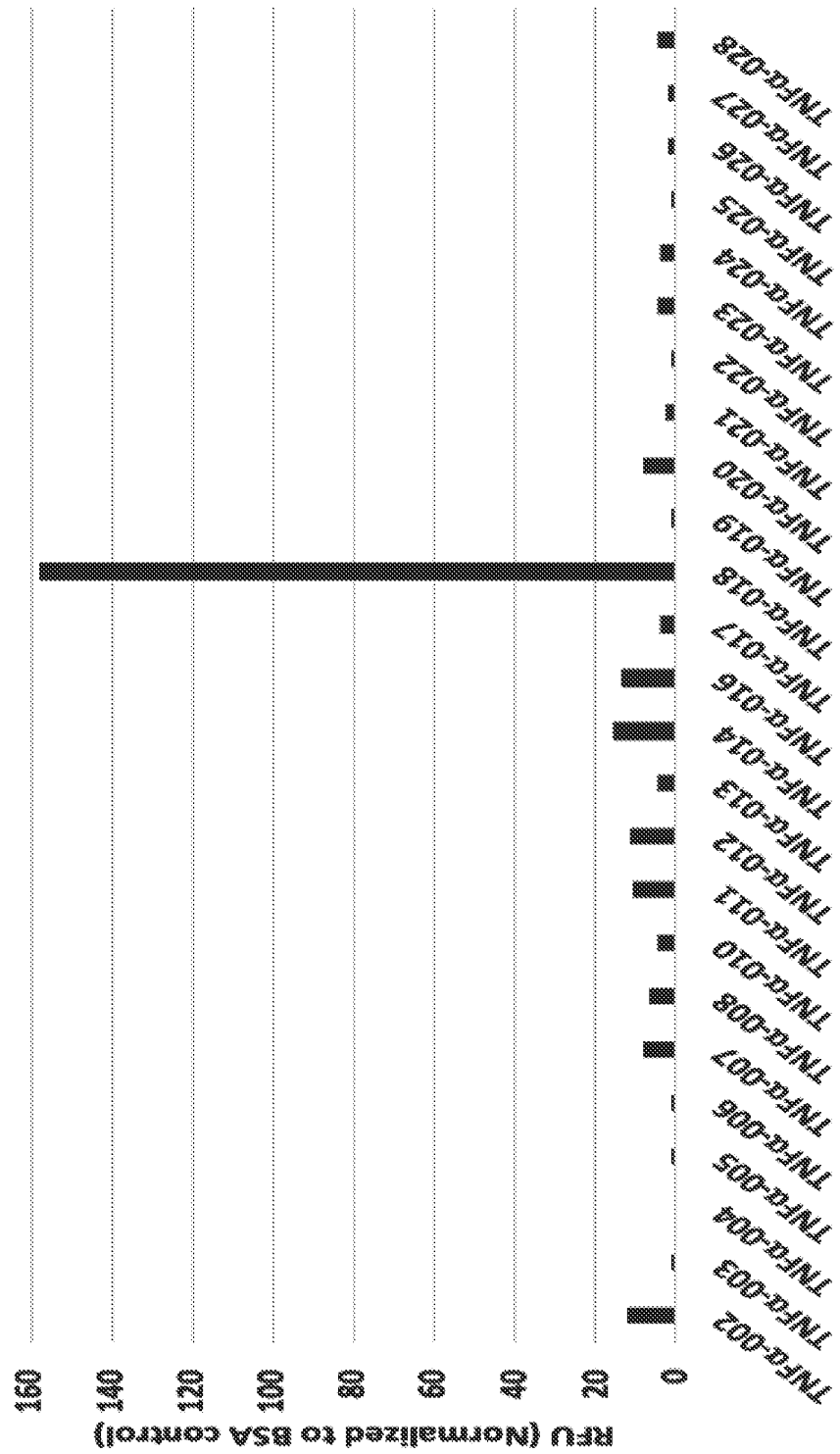


FIG. 1

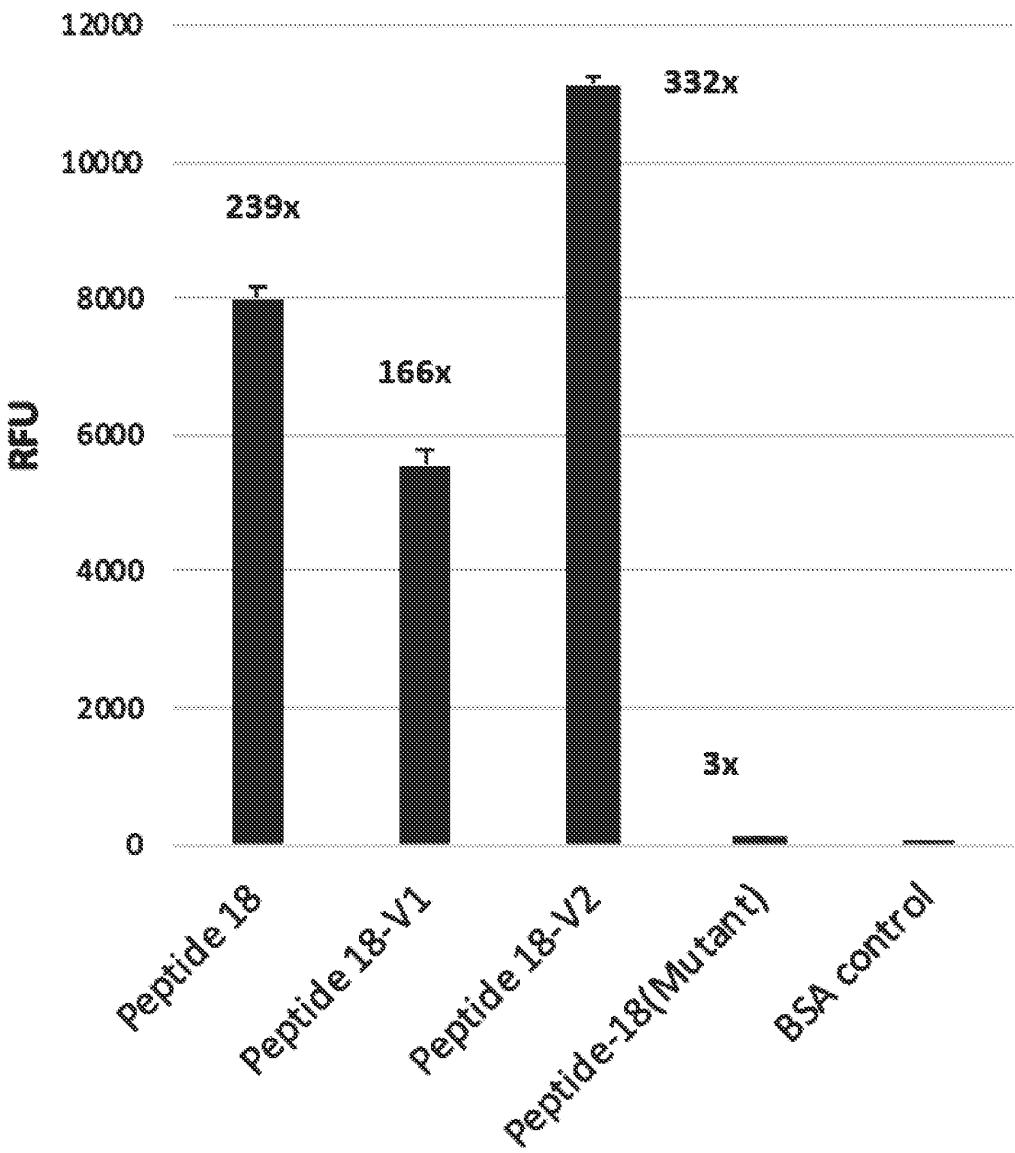
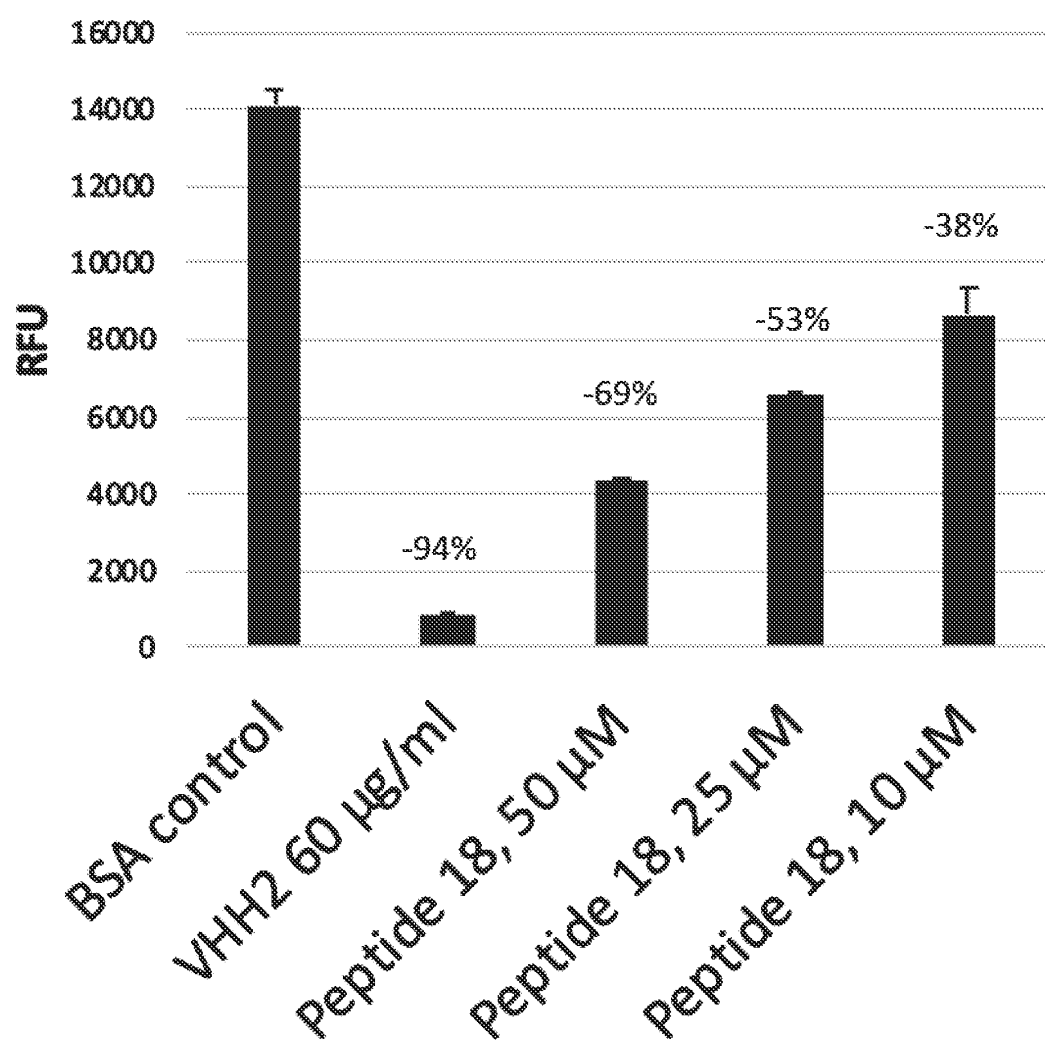


FIG. 2

3/41

**FIG. 3**

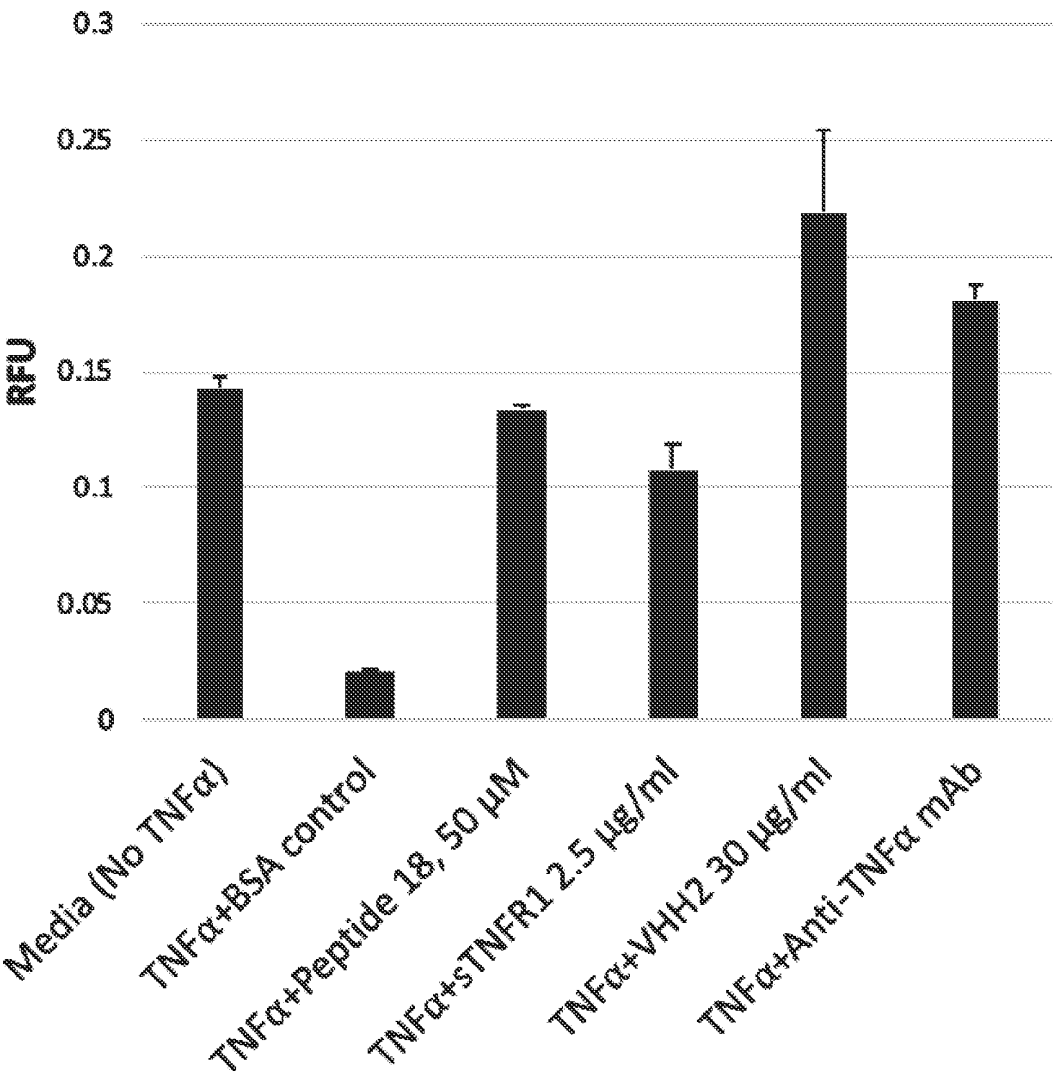


FIG. 4A

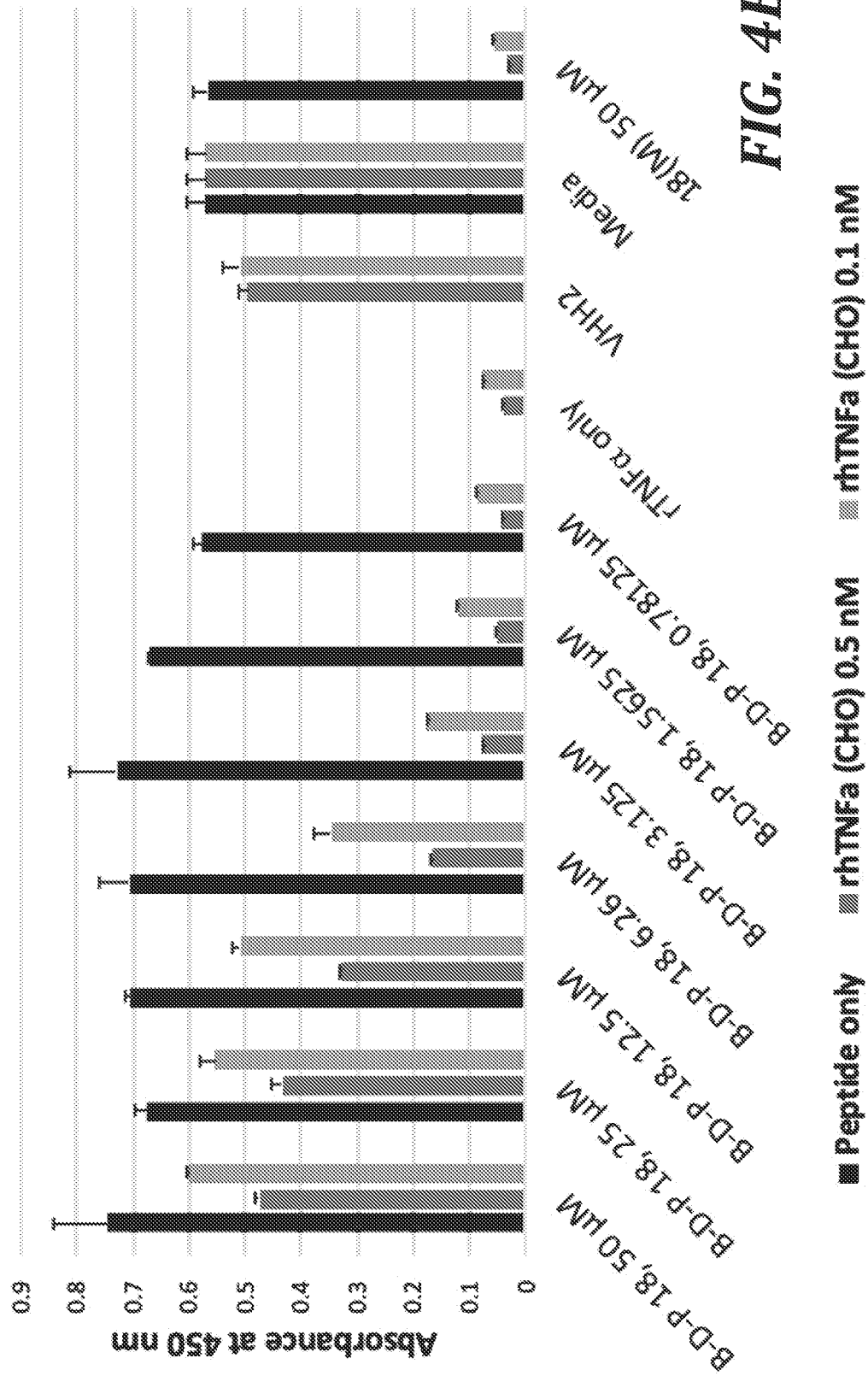
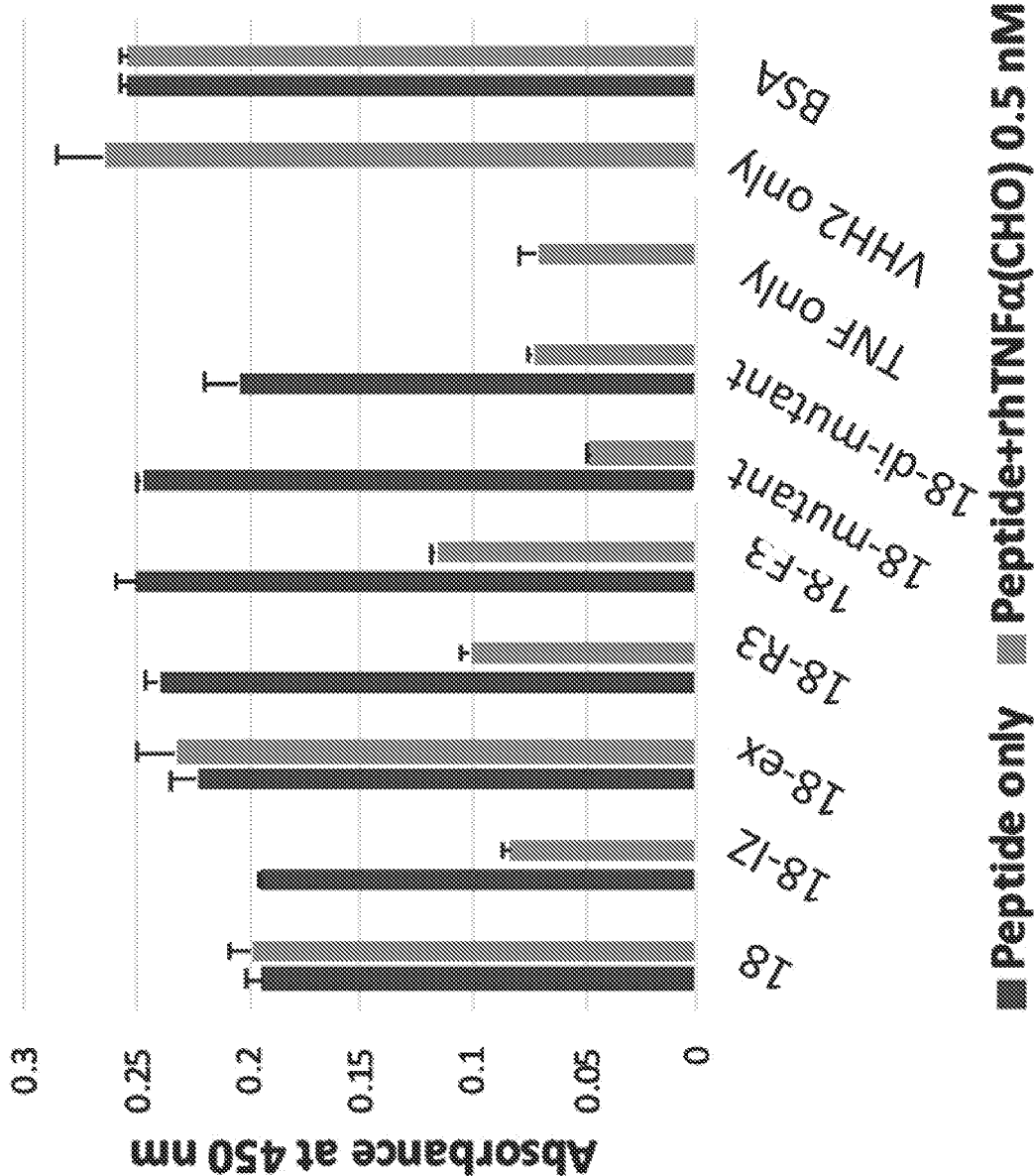
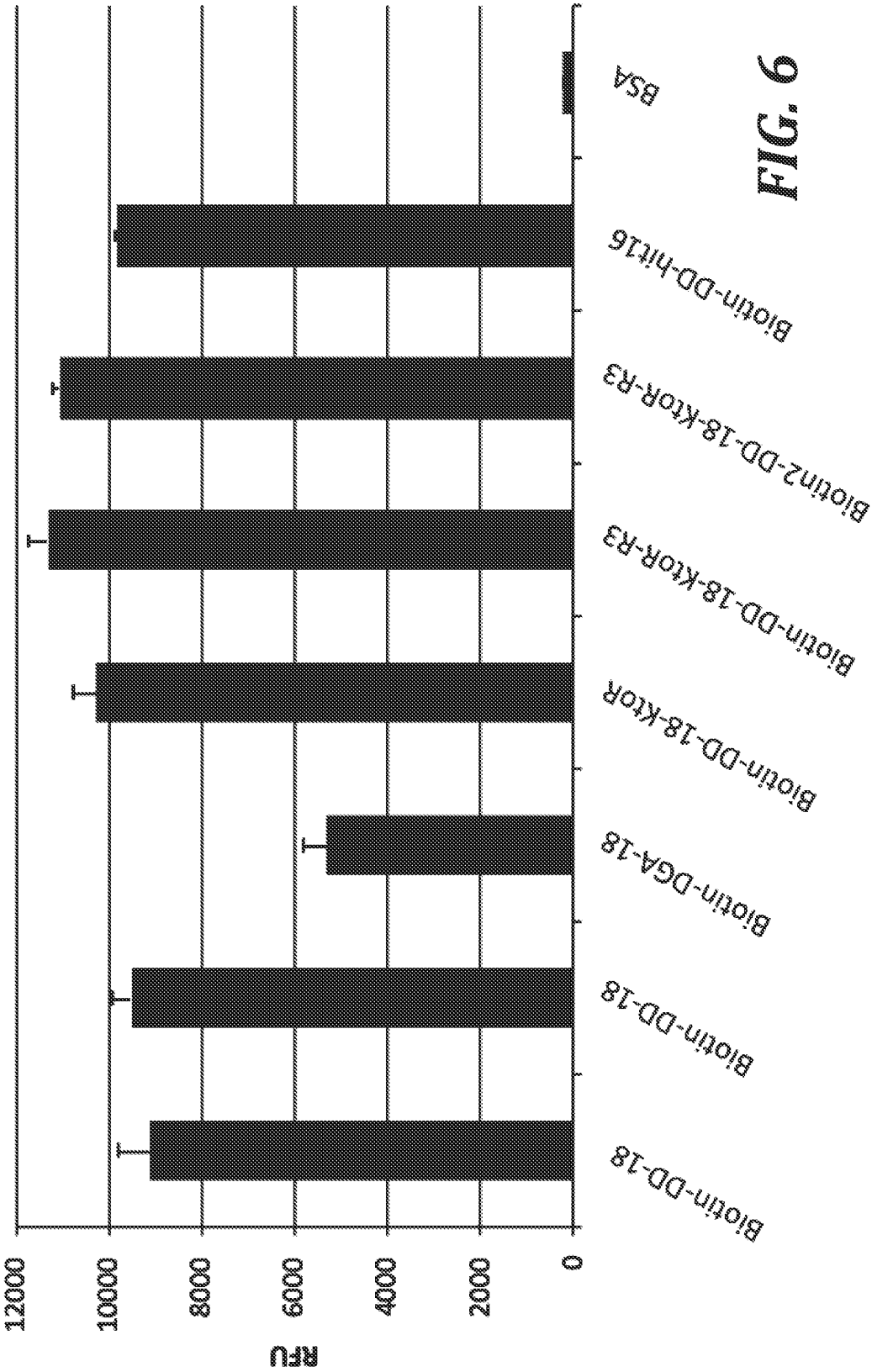


FIG. 5





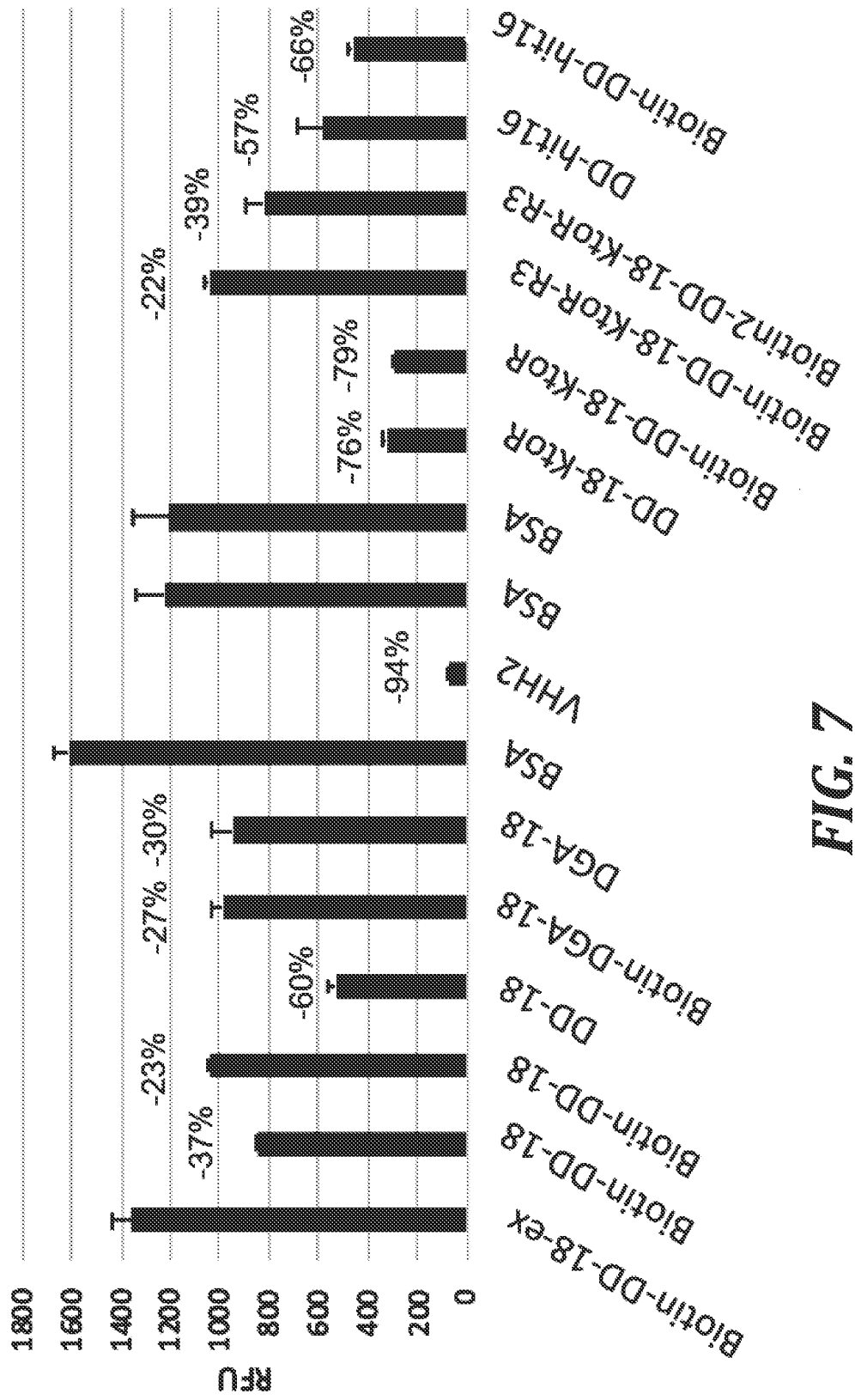
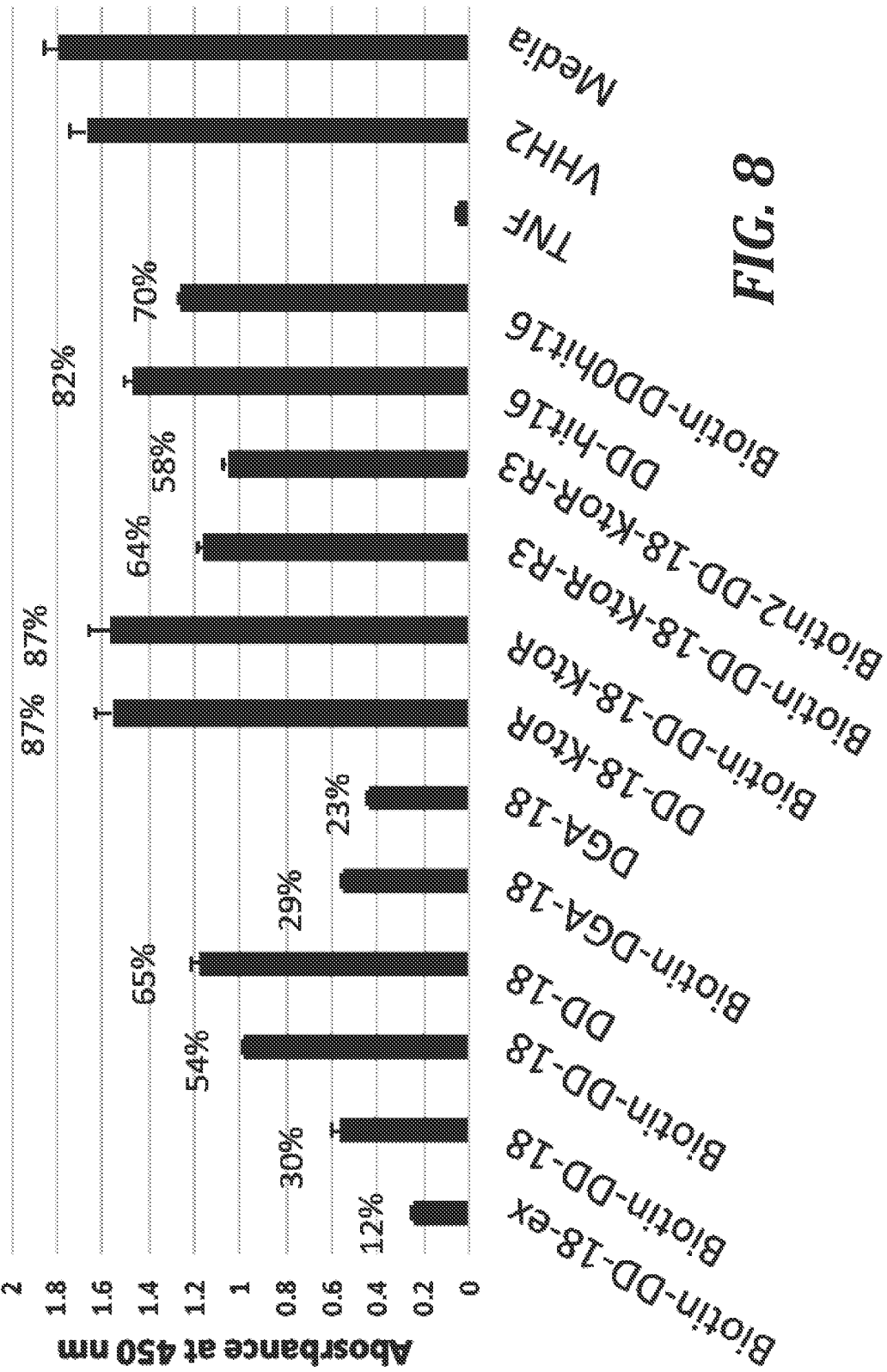


FIG. 7



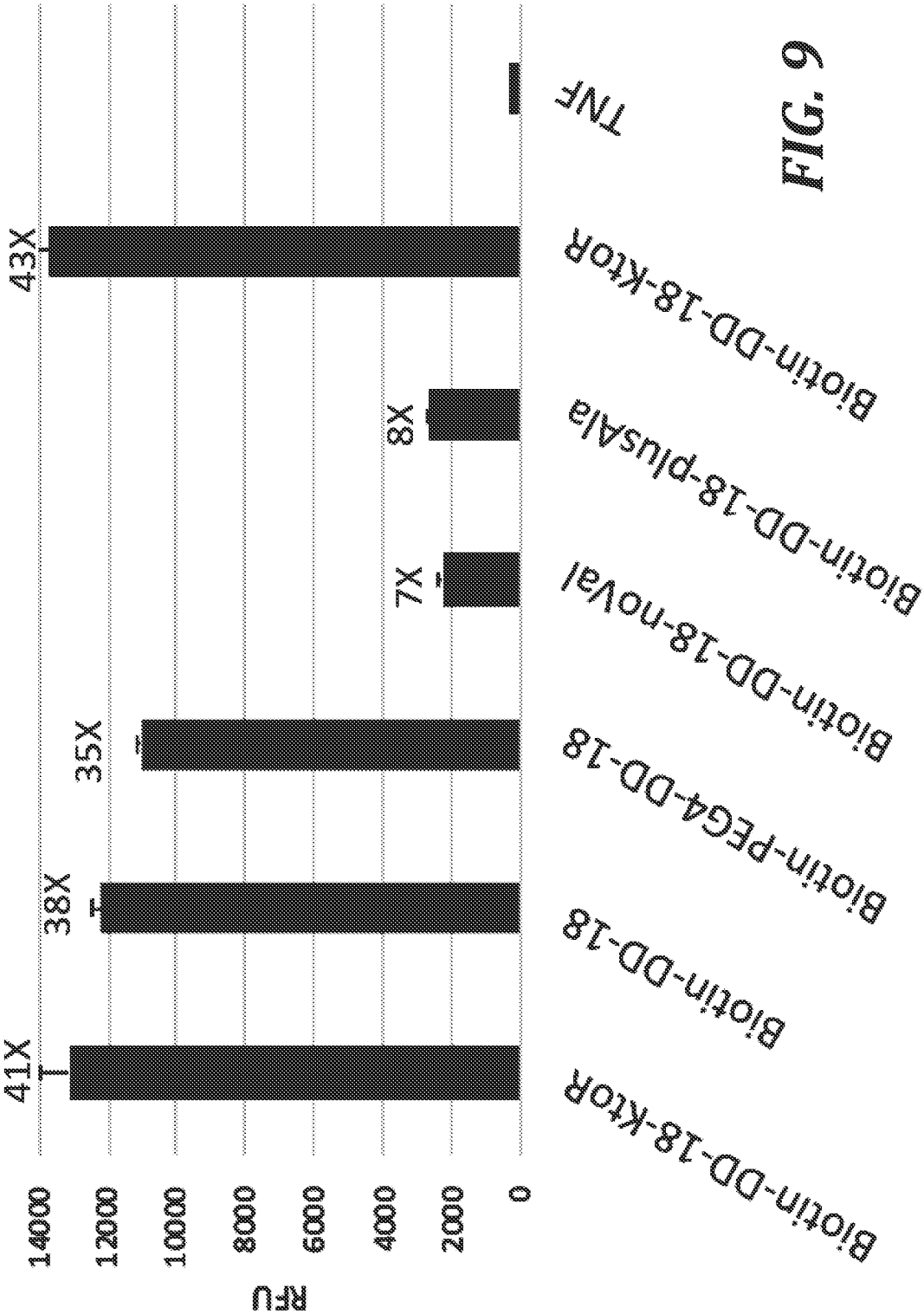


FIG. 10

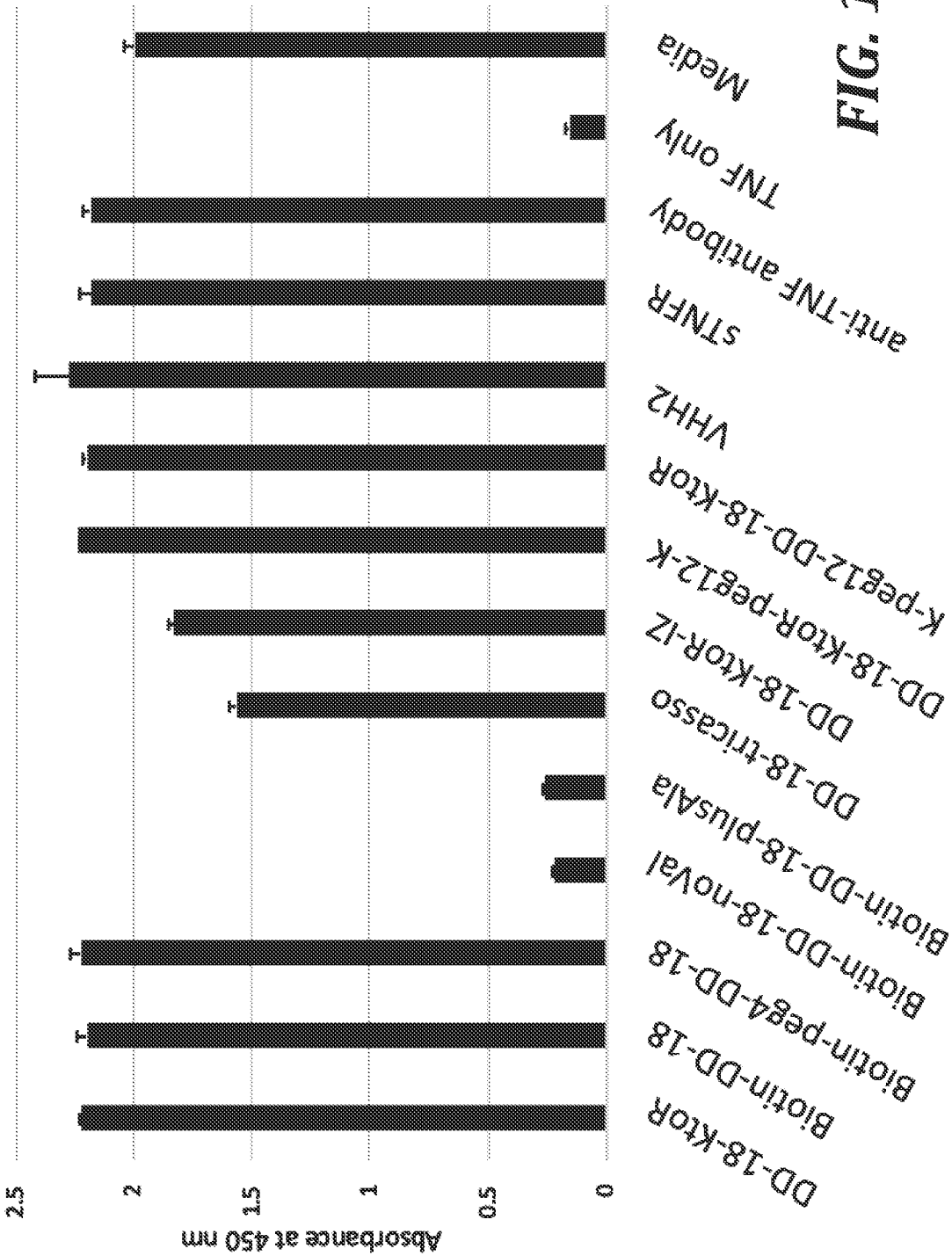
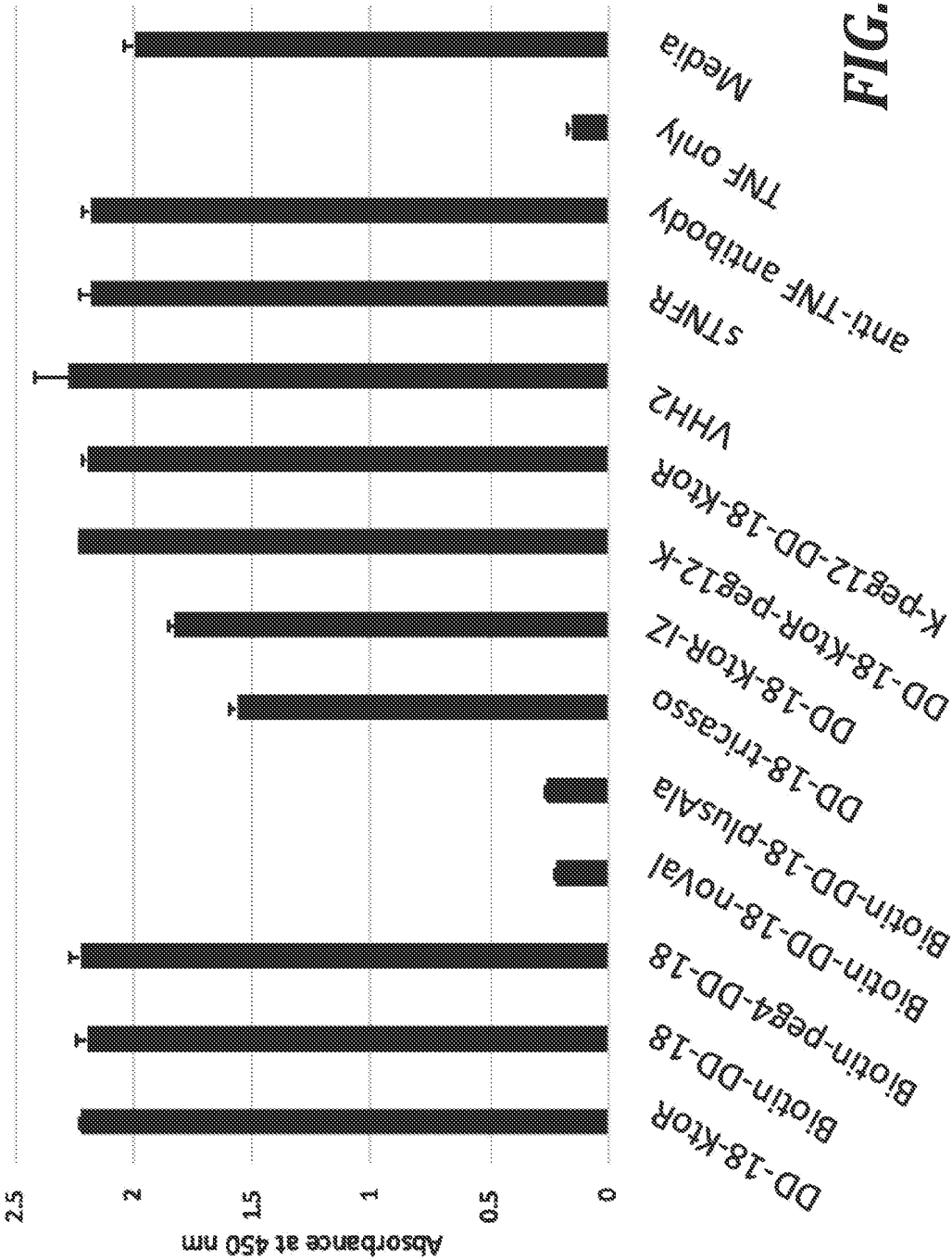


FIG. 11



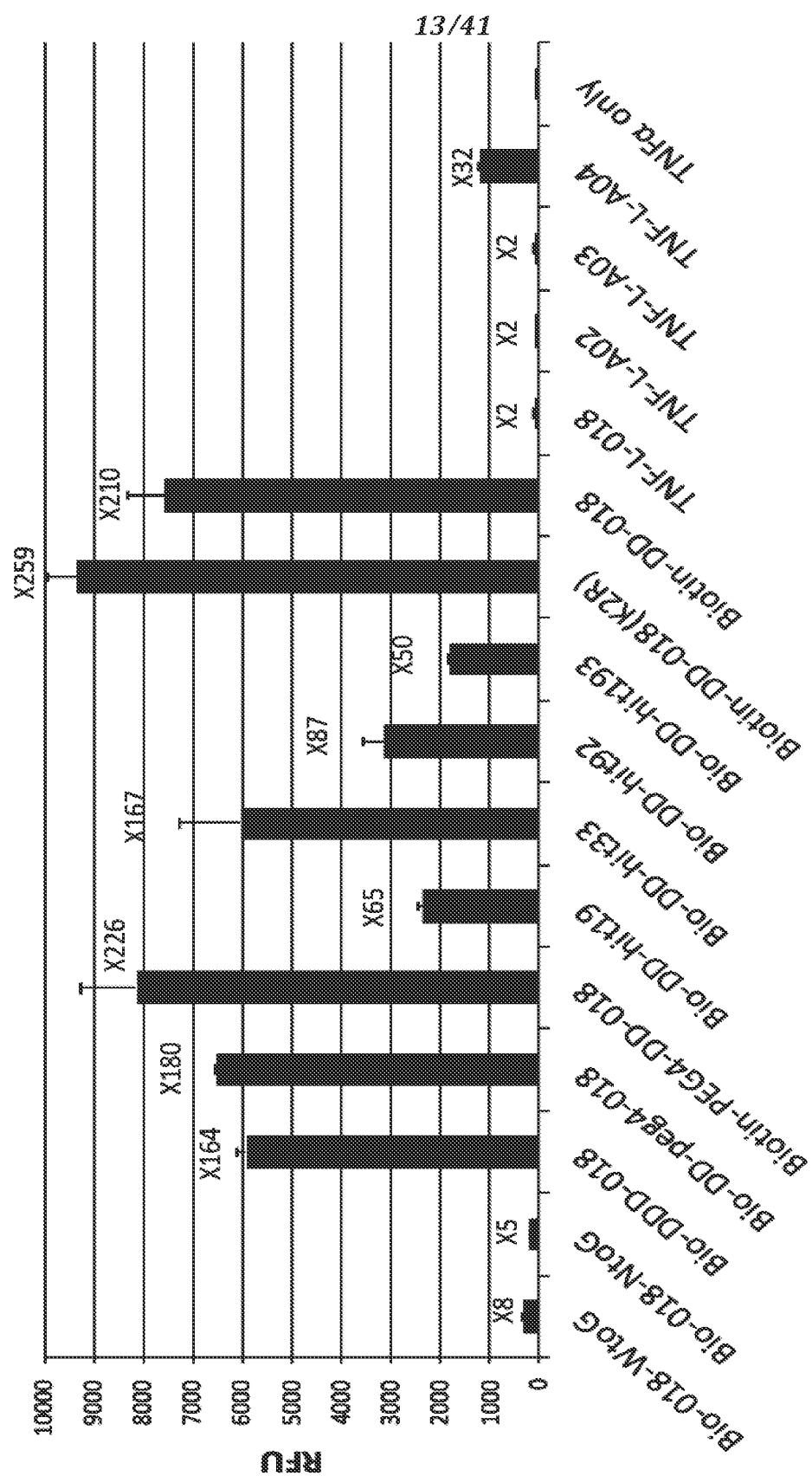


FIG. 12

From left to right, within the series:
018-KtoR-C-trimer (peg4)
018-KtoR-C-trimer (peg8)
018-KtoR-C-trimer (peg12) - 1
018-KtoR-C-trimer (peg12) - 2
017-C-trimer (peg12)

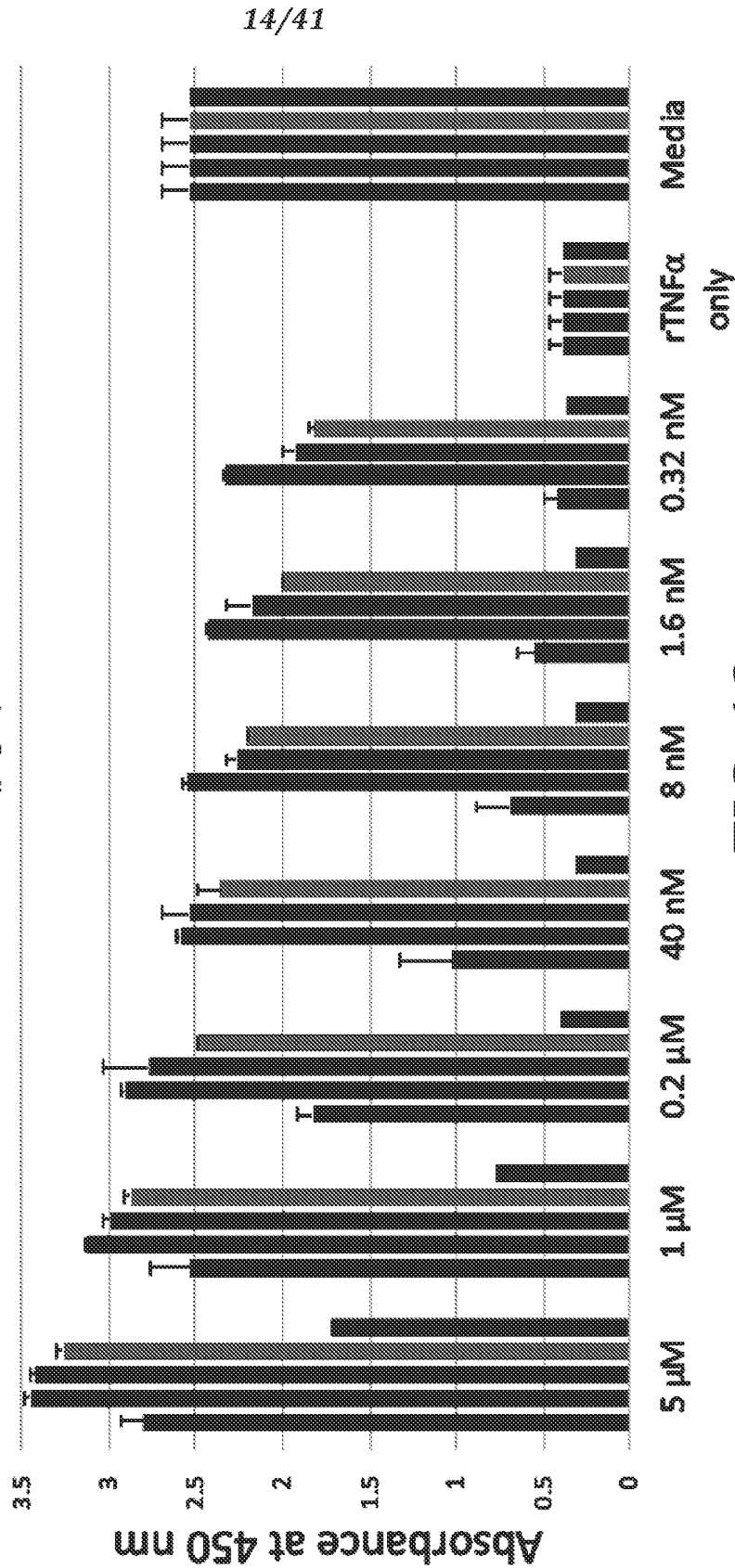


FIG. 13

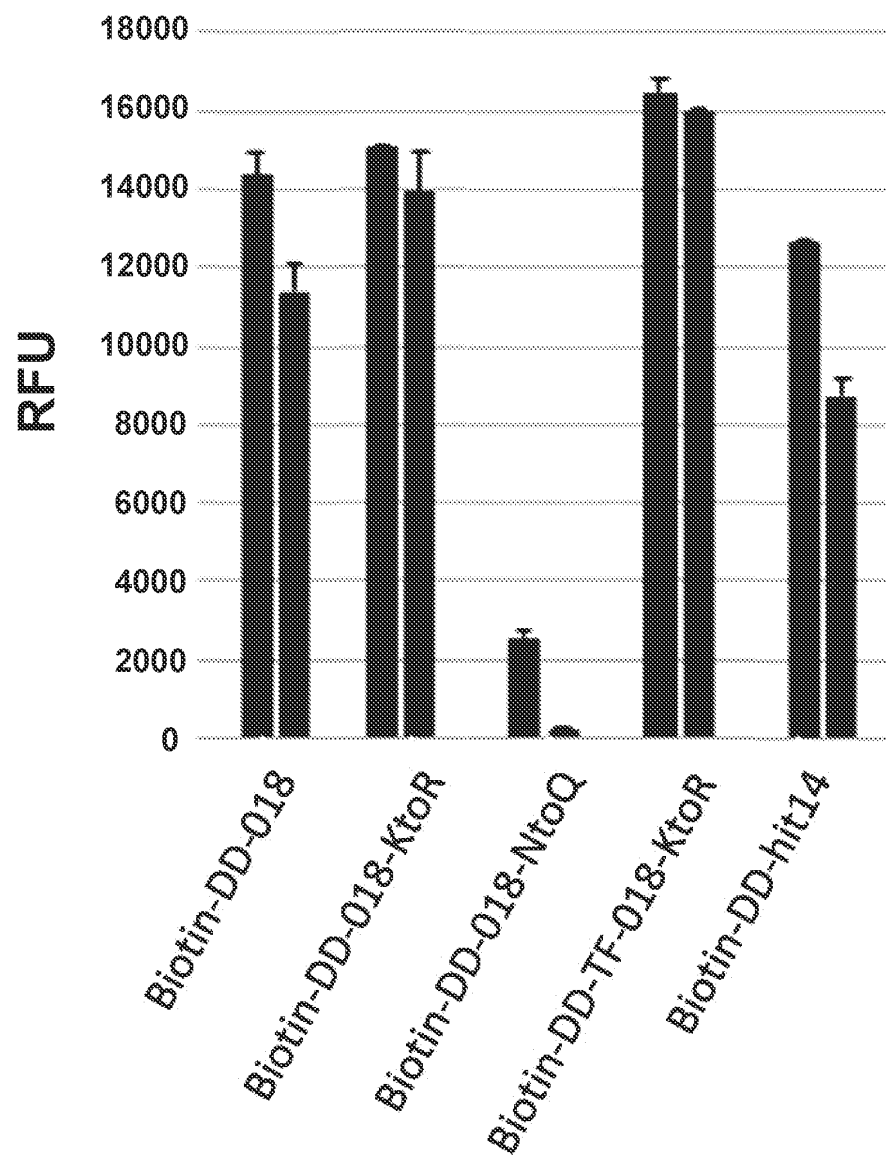


FIG. 14

16/41

Fmoc-scaffold

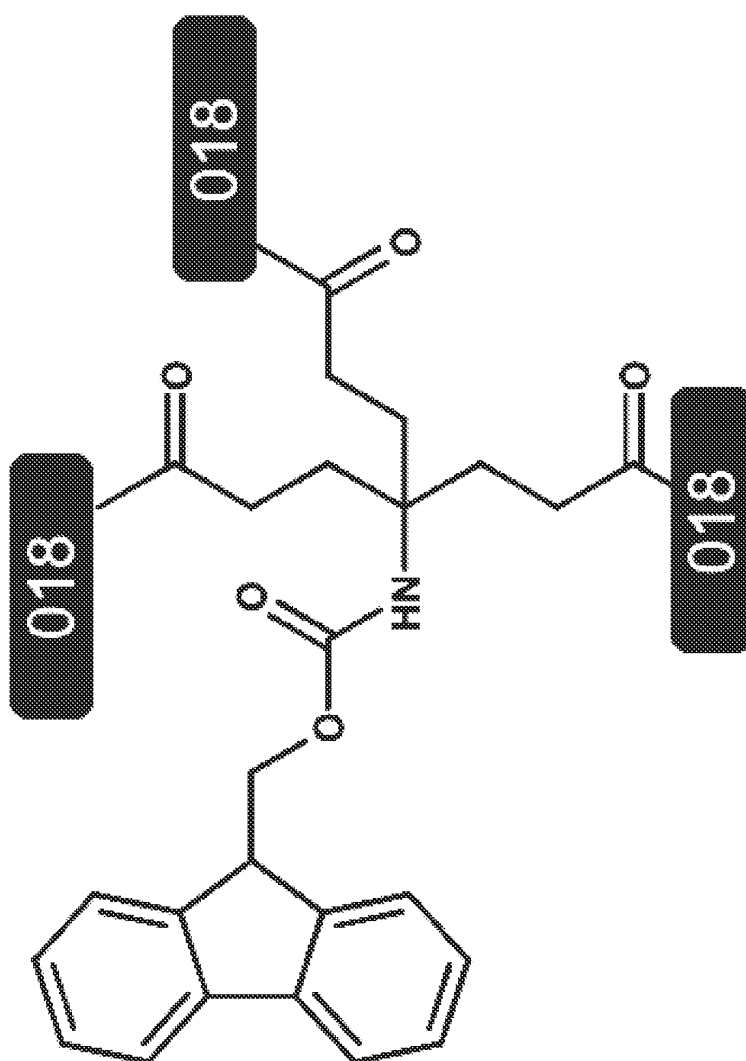


FIG. 15A

Fmoc-peg27-scaffold

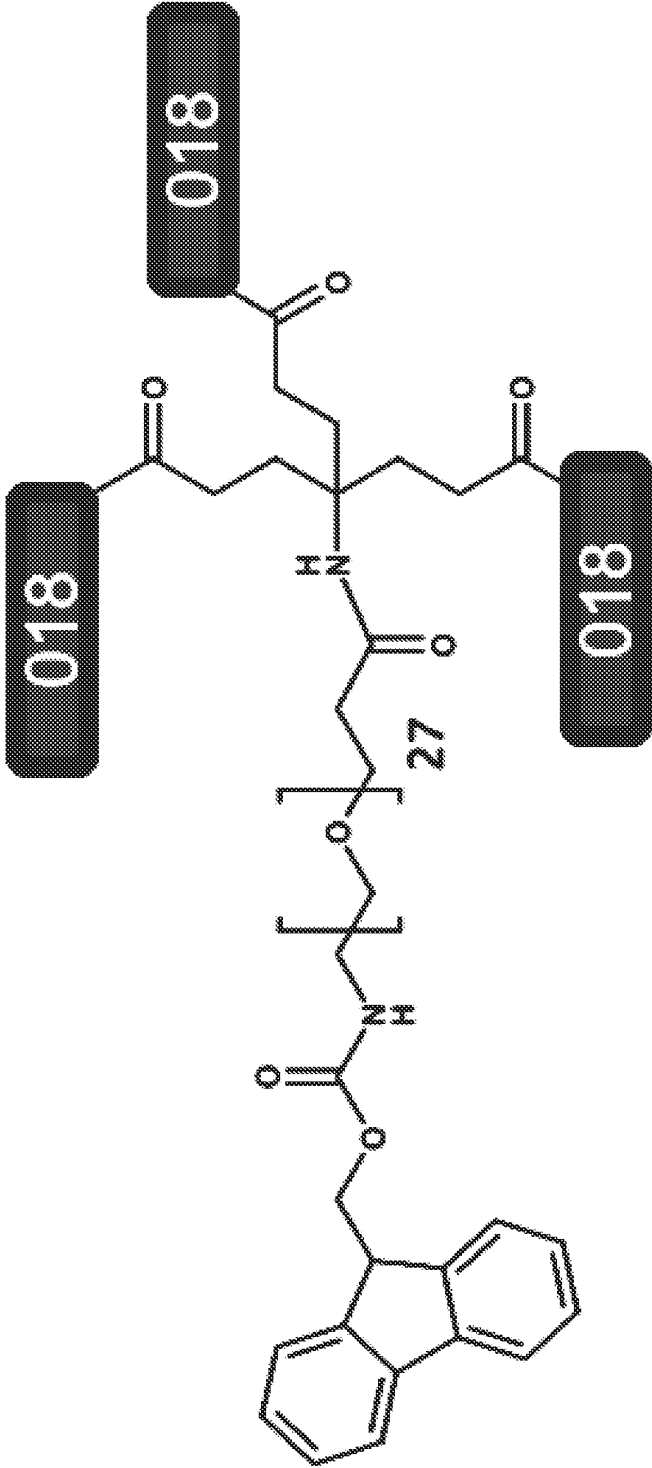


FIG. 15A
(CONT.)

Cyclohex scaffold

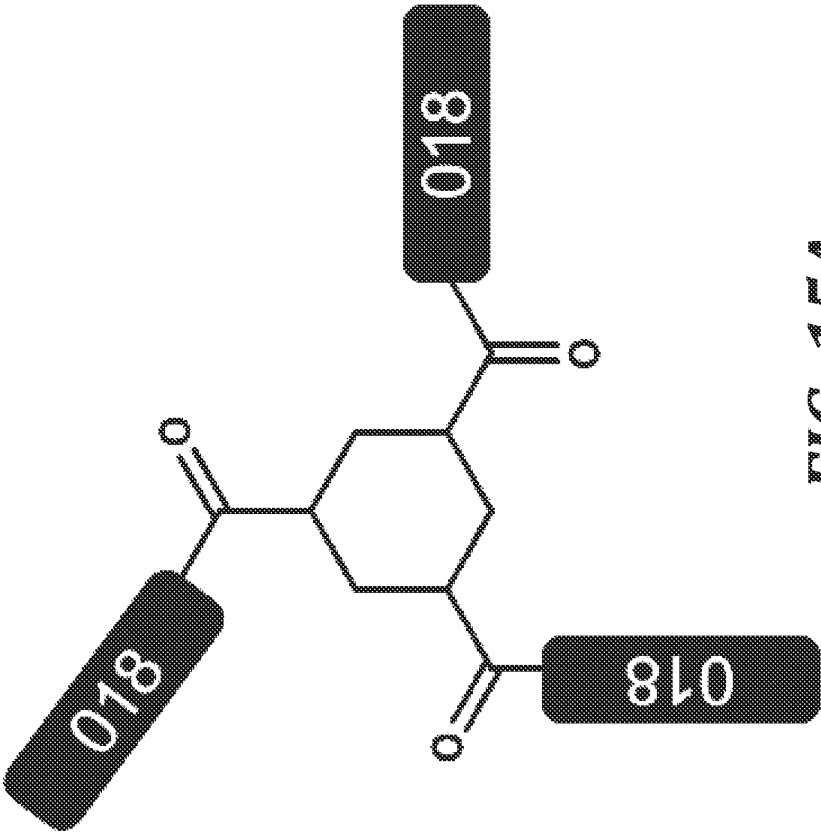
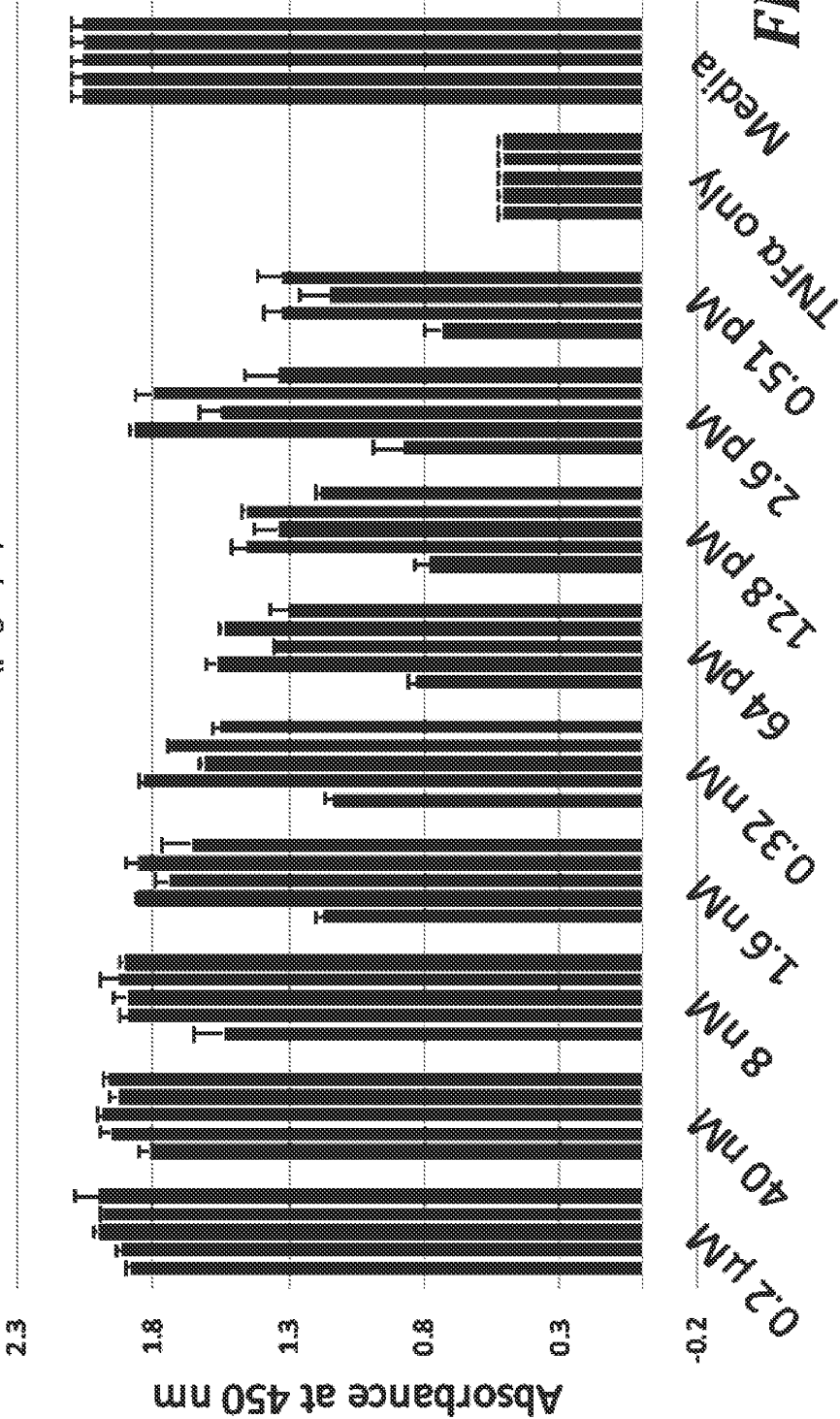


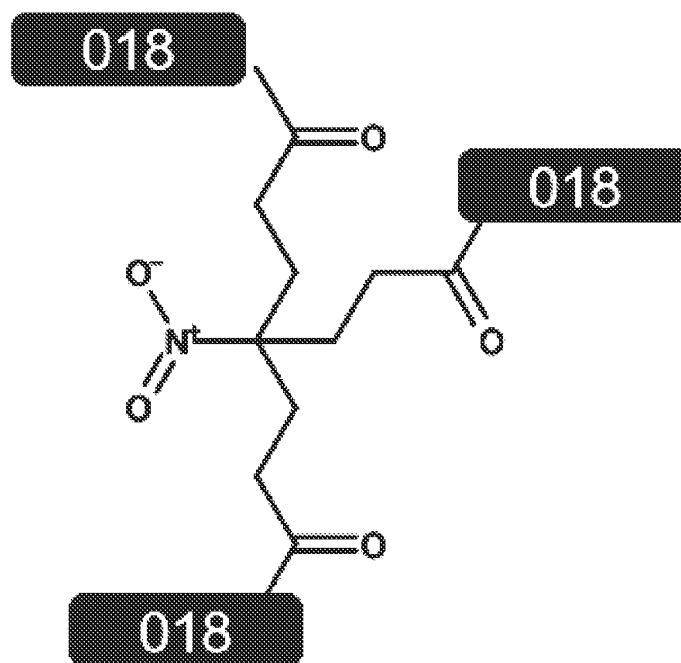
FIG. 15A
(CONT.)

From left to right, within the series:
018-KtoR-C-trimer (peg6)-Fmoc
018-KtoR-C-trimer (peg12)-peg27-Fmoc
018-KtoR-C-trimer (peg12)-Fmoc
TF-018-KtoR-C-trimer (peg12)-Fmoc
018-KtoR-C-trimer (peg12)-cyclohex

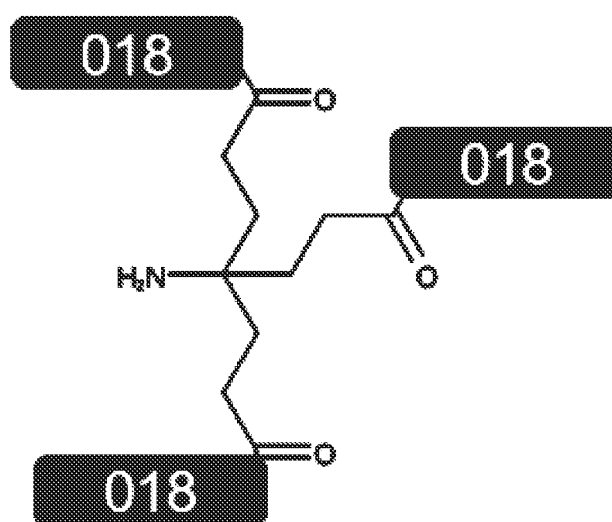


20/41

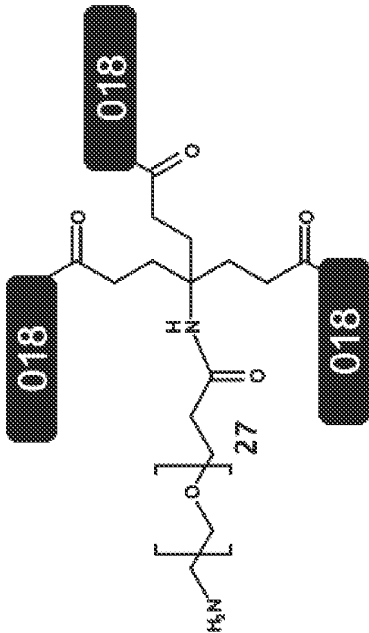
Nitro scaffold



Amine scaffold

**FIG. 16A**

Amine-peg27 scaffold



Cholestorol scaffold

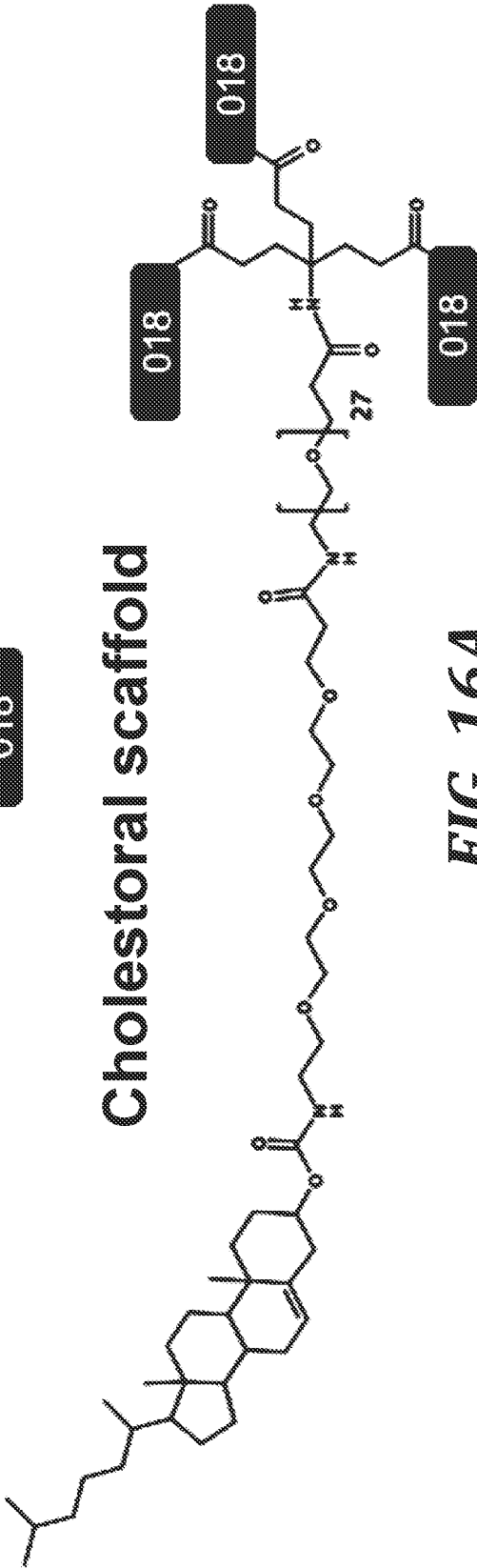
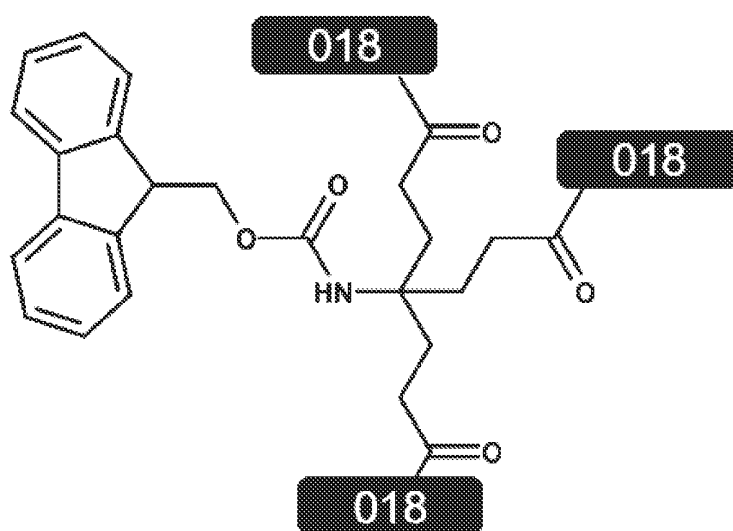


FIG. 16A

(CONT.)

22/41

Fmoc-scaffold



Biotin-peg27 scaffold

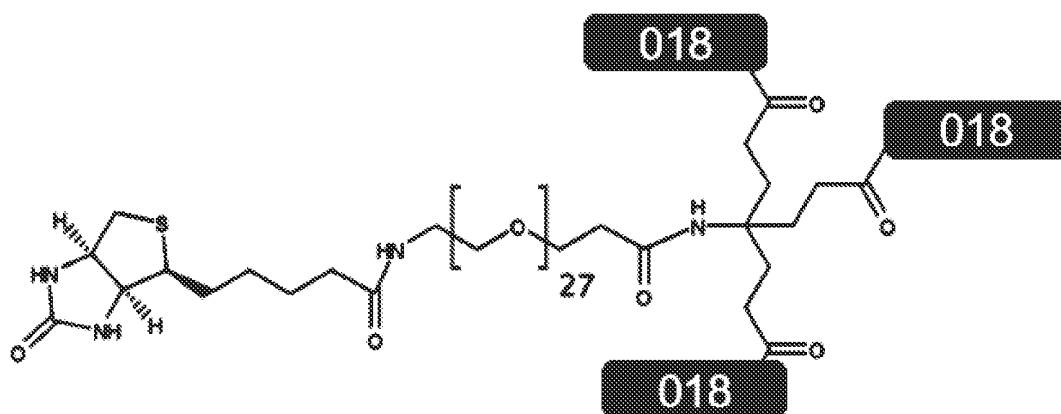


FIG. 16A
(CONT.)

From left to right, within the series:

- 018-KtoR-C-trimer (peg12)-Nitro
- 018-KtoR-C-trimer (peg12)-peg27-amine
- 018-KtoR-C-trimer (peg12)-Fmoc
- 018-KtoR-C-trimer (peg12)-amine
- 018-KtoR-C-trimer (peg12)-peg27-biotin
- 018-KtoR-C-trimer (peg12)-peg27-cholesterol

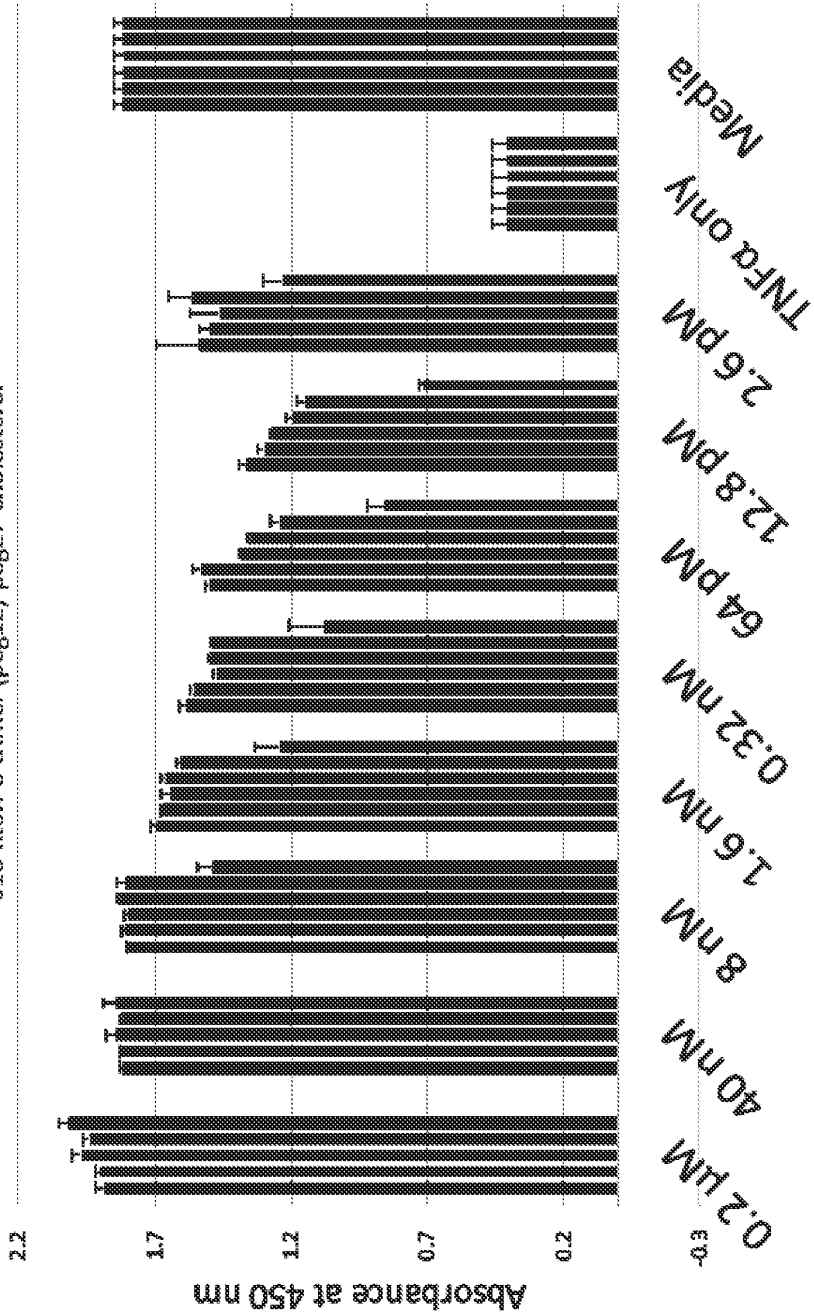


FIG. 16B

From left to right, within the series:
Bio-DtoE-VF-018-KtoR-WW
Bio-VF-018-KtoR-WW
Bio-018-KtoR
Bio-VF-018-QtoK-KtoR-WW
VF-018-QtoKbio-KtoR-WW

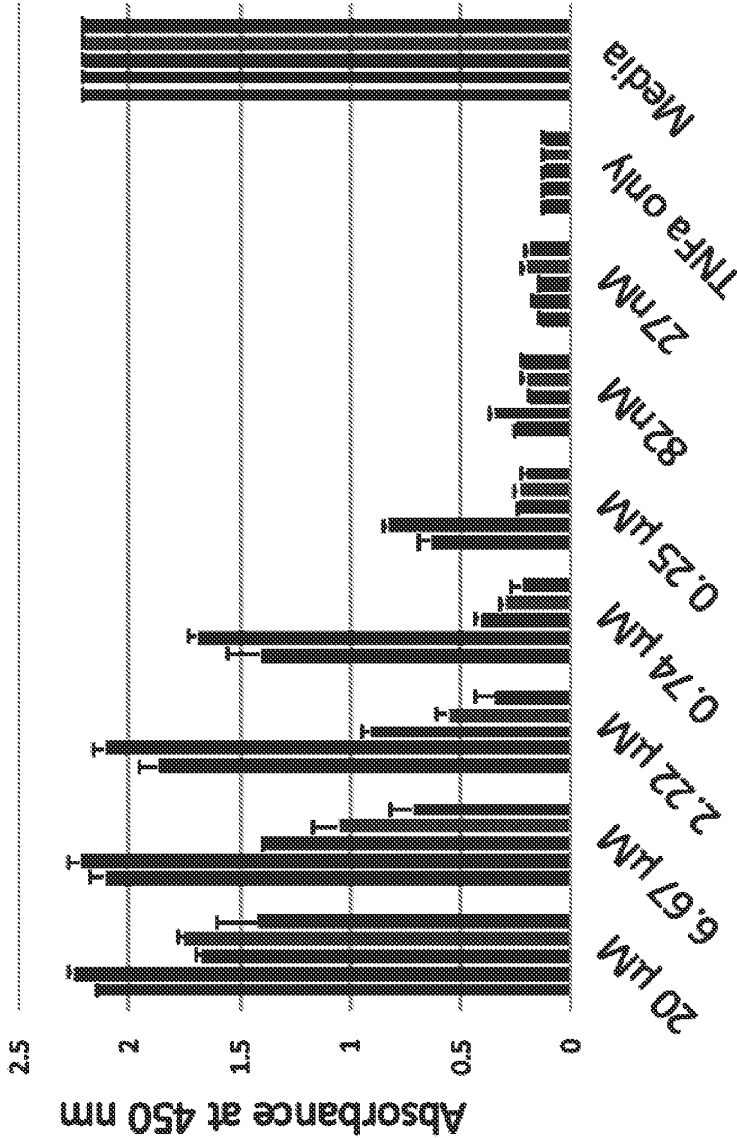


FIG. 17

From left to right, within the series:
Bio-VF-018-PtoG-KtoR-WW
Bio-VF-018-KtoR-WW
Bio-018-KtoR
Bio-VF-018-PtoH-KtoR-WW
Bio-VF-018-QtoN-KtoR-WW

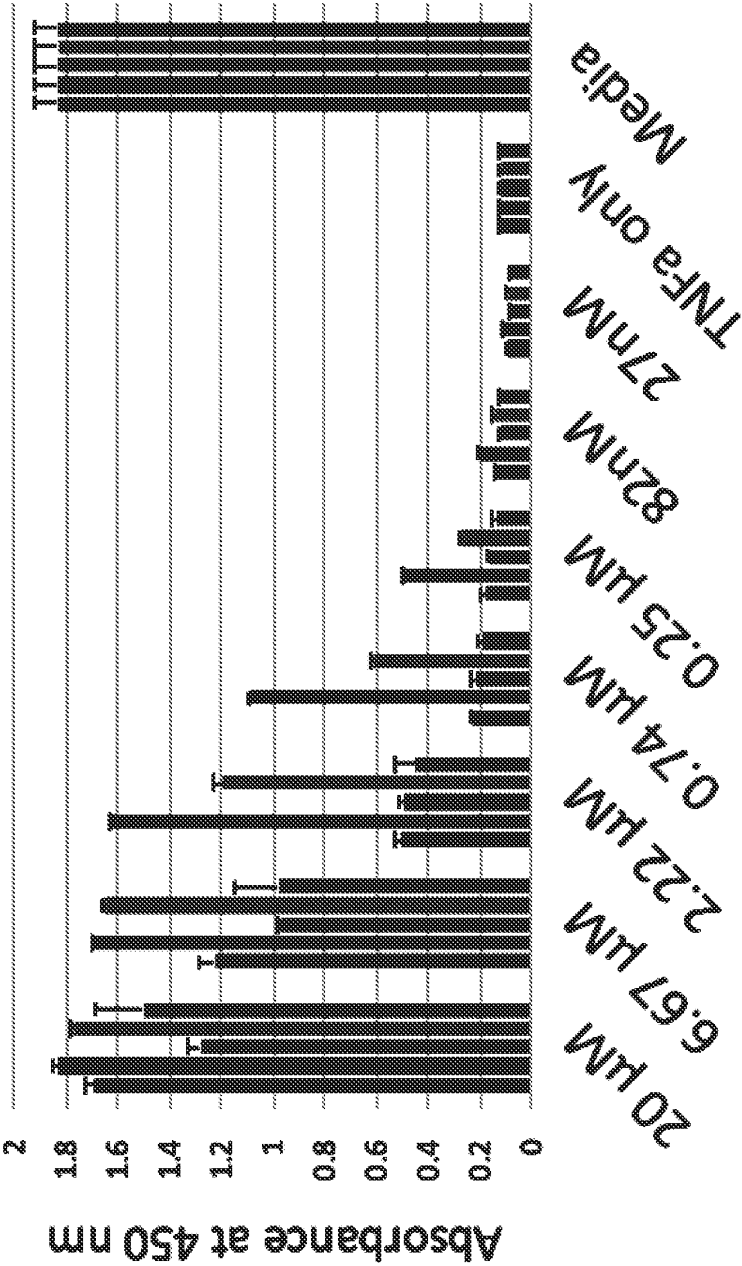


FIG. 18

From left to right, within the series:
DD-018-KtoR-peg8-K
SucD-018-KtoR-peg8-K
DD-018-KtoR-peg8-K Dimer
SucD-018-KtoR-peg8-K Dimer
Bio-DD-TF-018-KtoR-WW

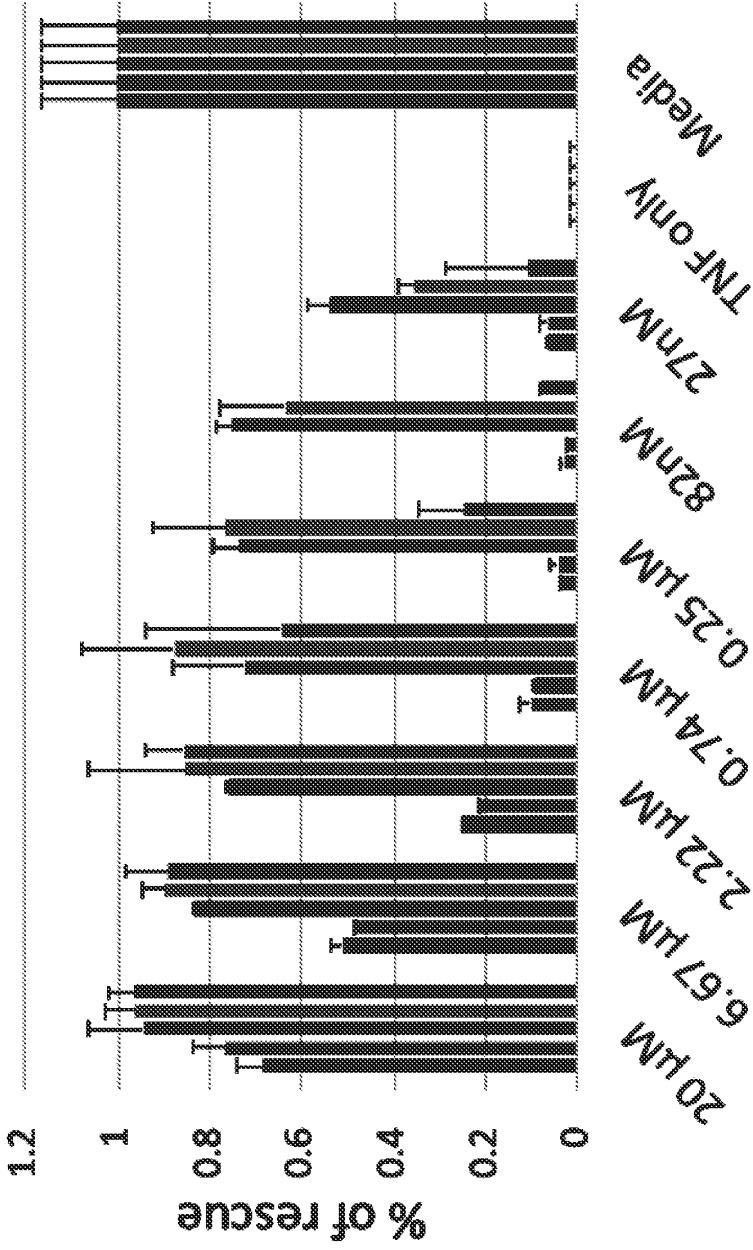


FIG. 19

From left to right, within the series:
Bio-Pen-TF-018-KtoR-WW
Bio-TF-018-KtoR-WW-Pen
Bio-homoLeu-F-018-KtoR-WW
Bio-norLeu-F-018-KtoR-WW
Bio-DD-TF-018-KtoR-WW

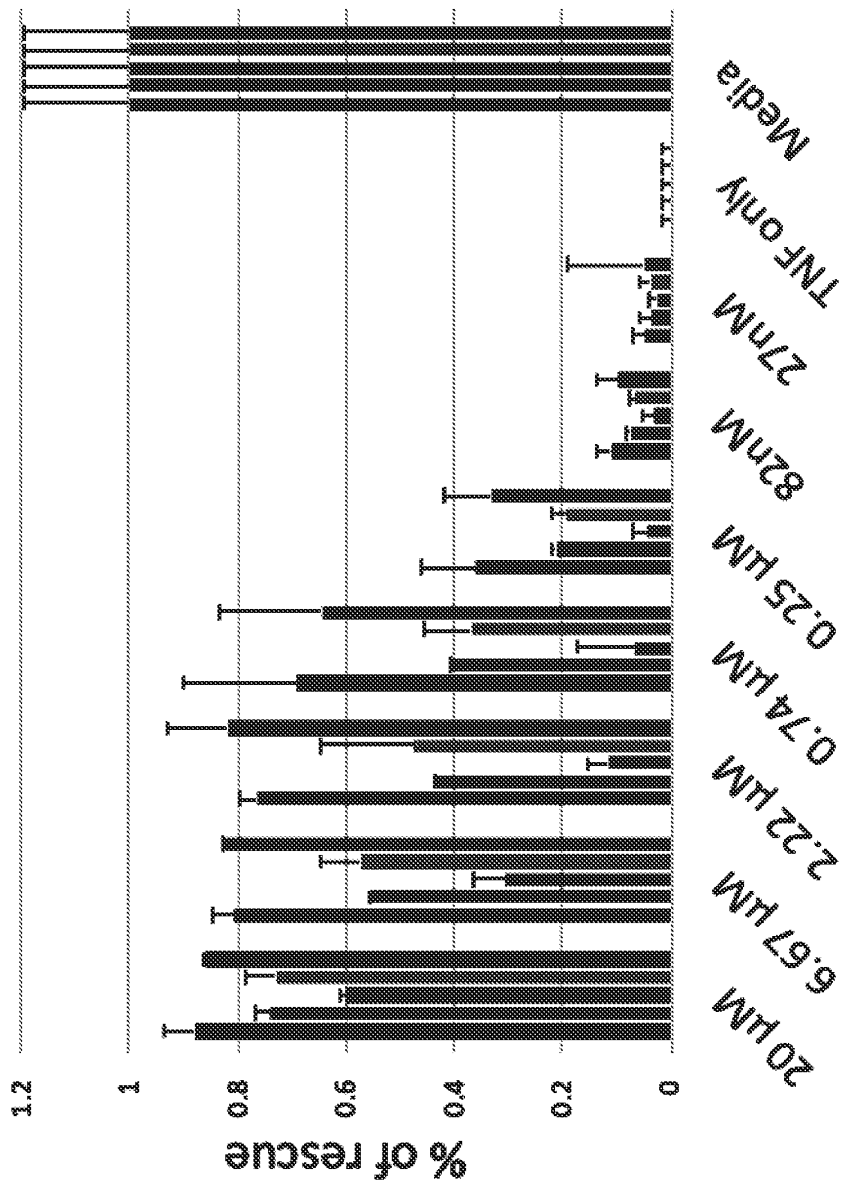


FIG. 20

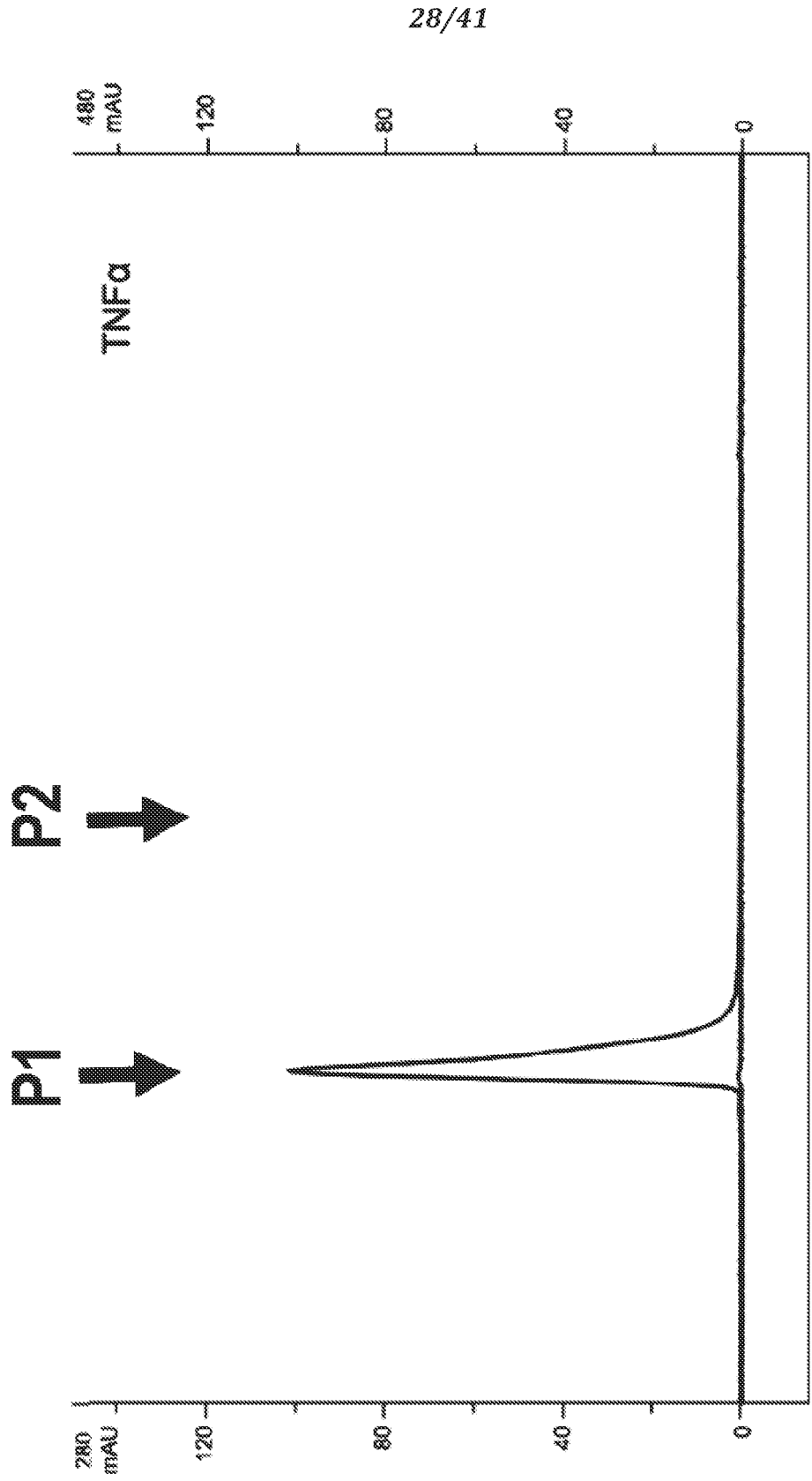


FIG. 21

29/41

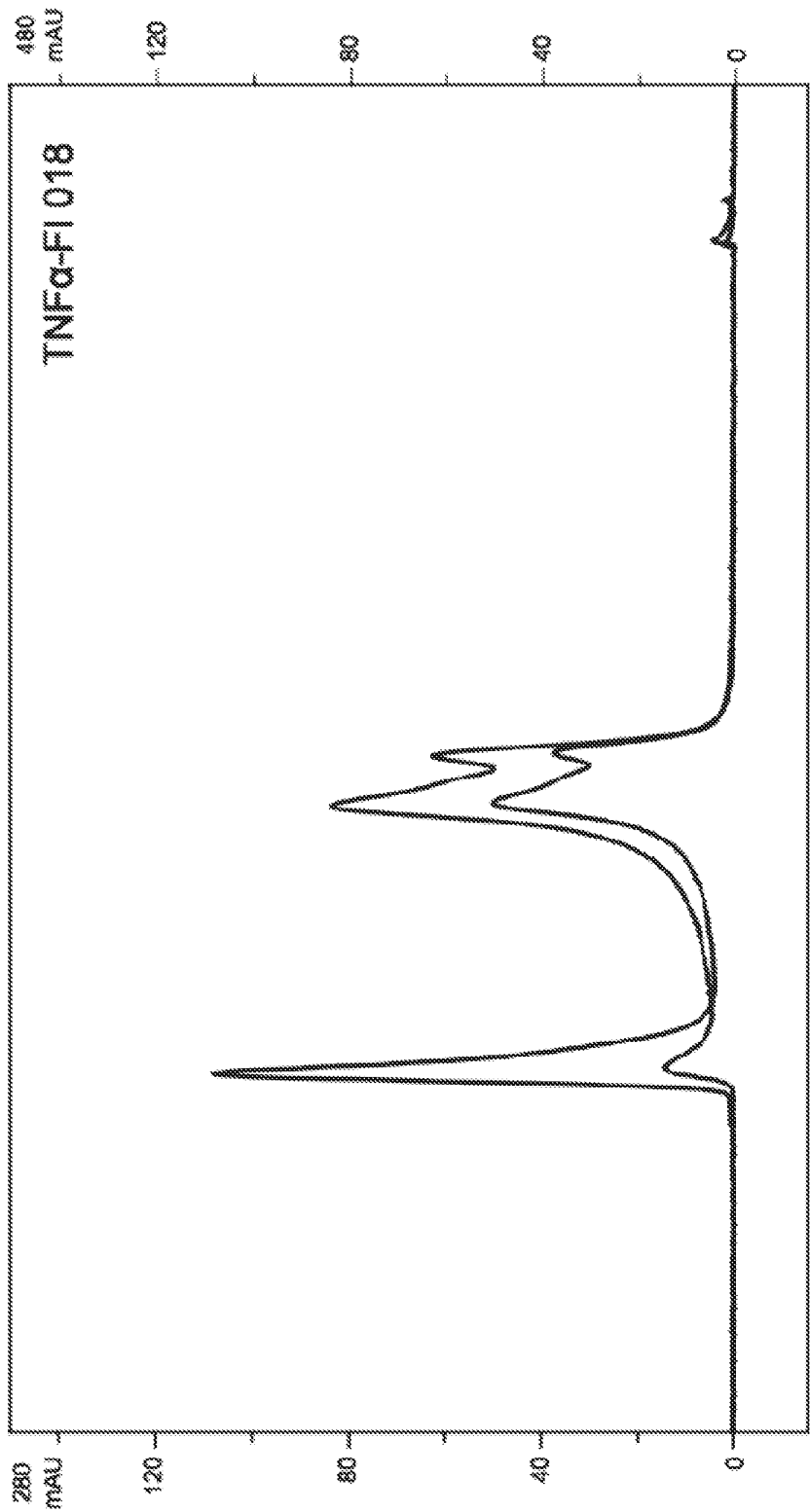


FIG. 21
(CONT.)

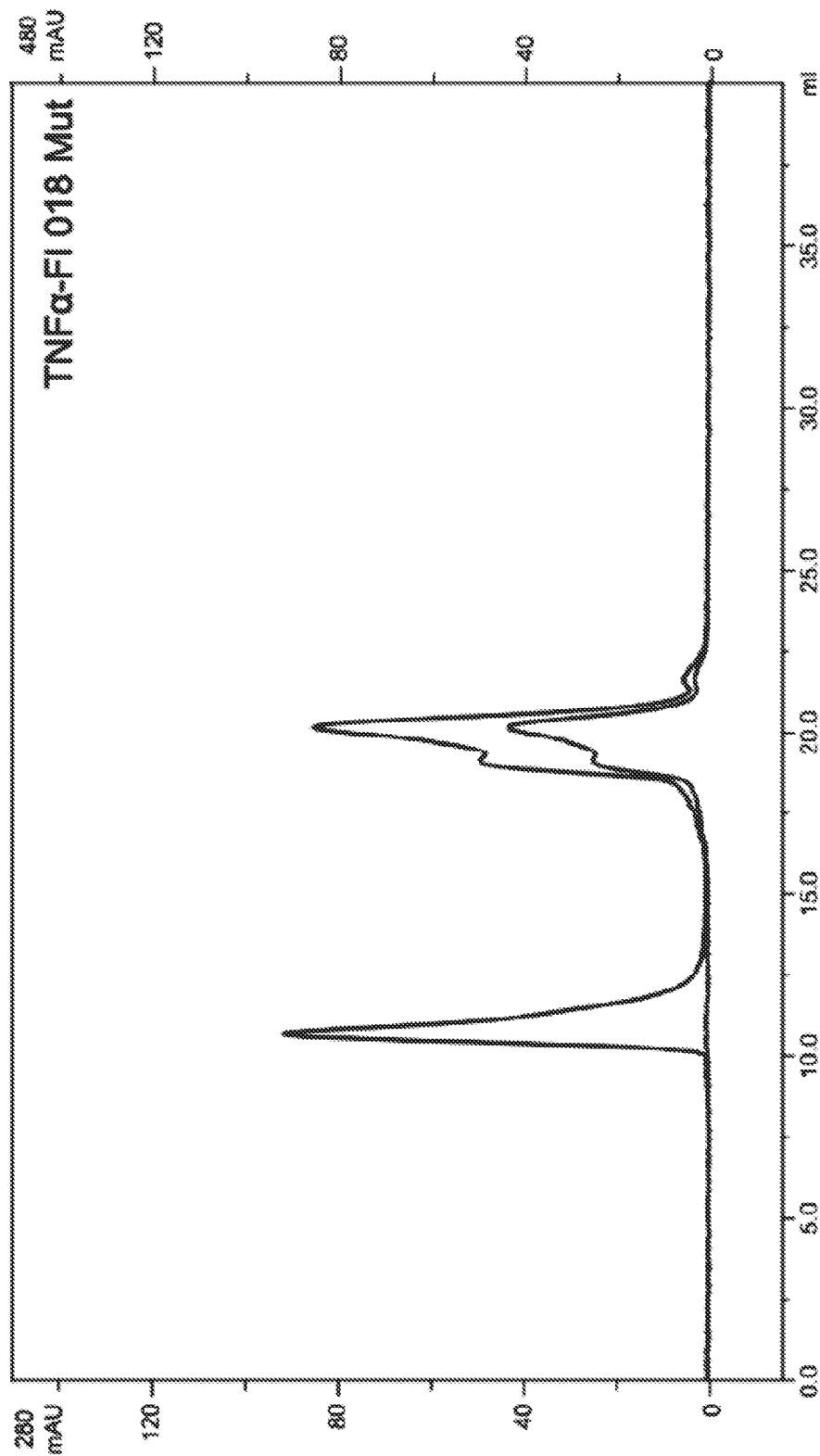


FIG. 21
(CONT.)

31/41

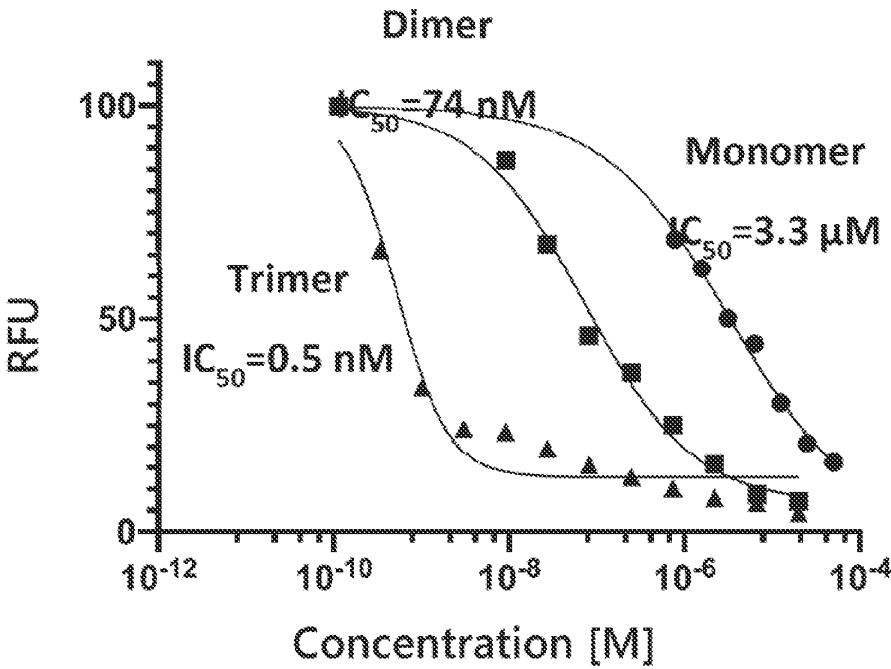


FIG. 22A

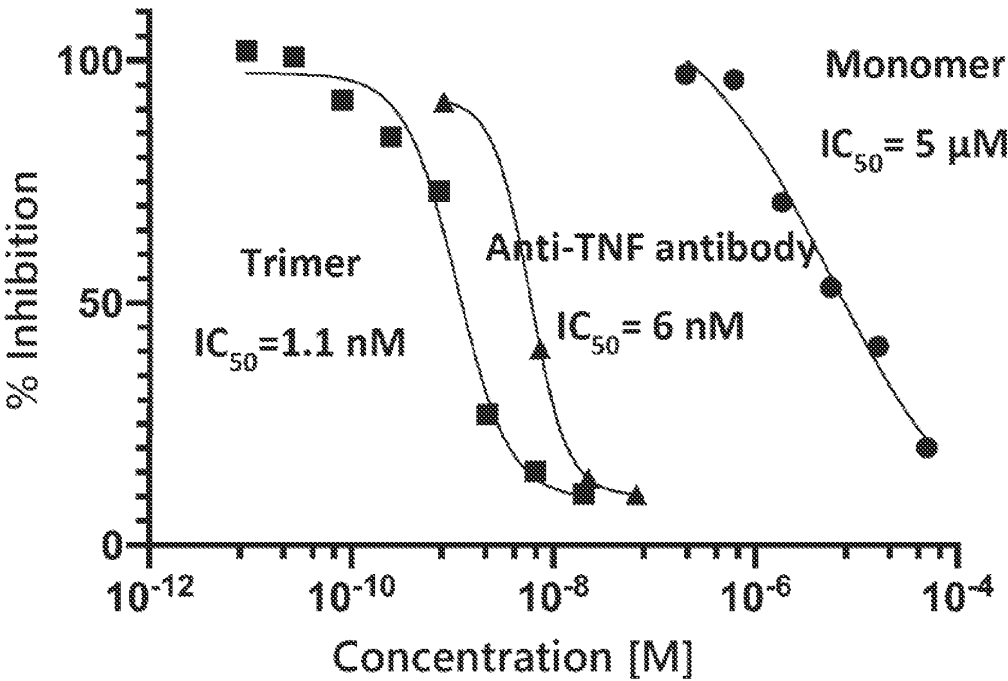
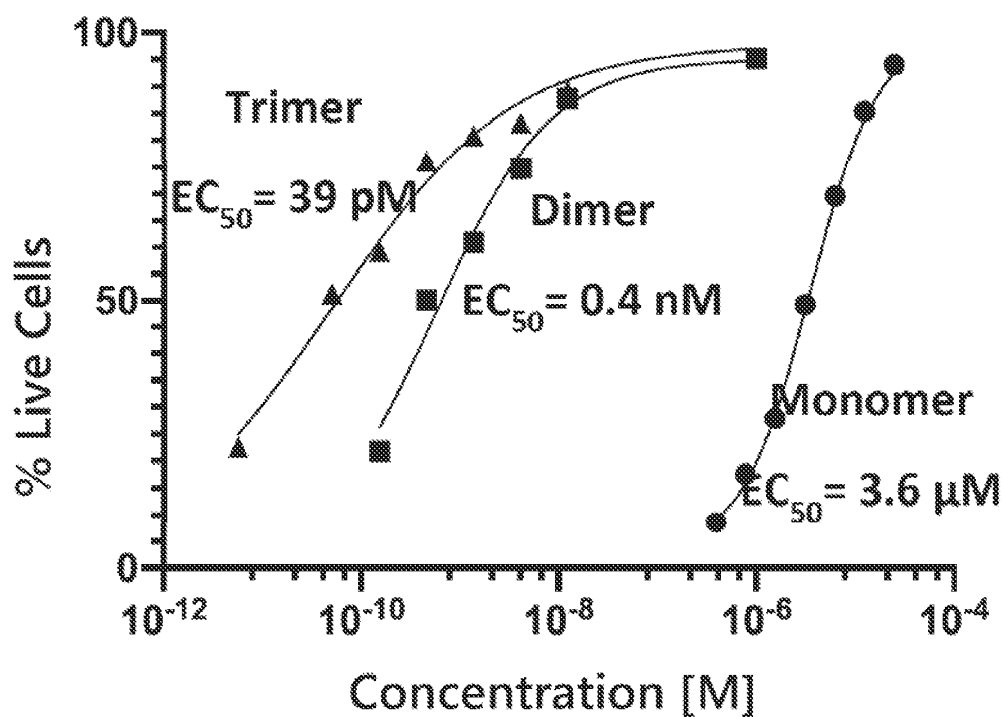
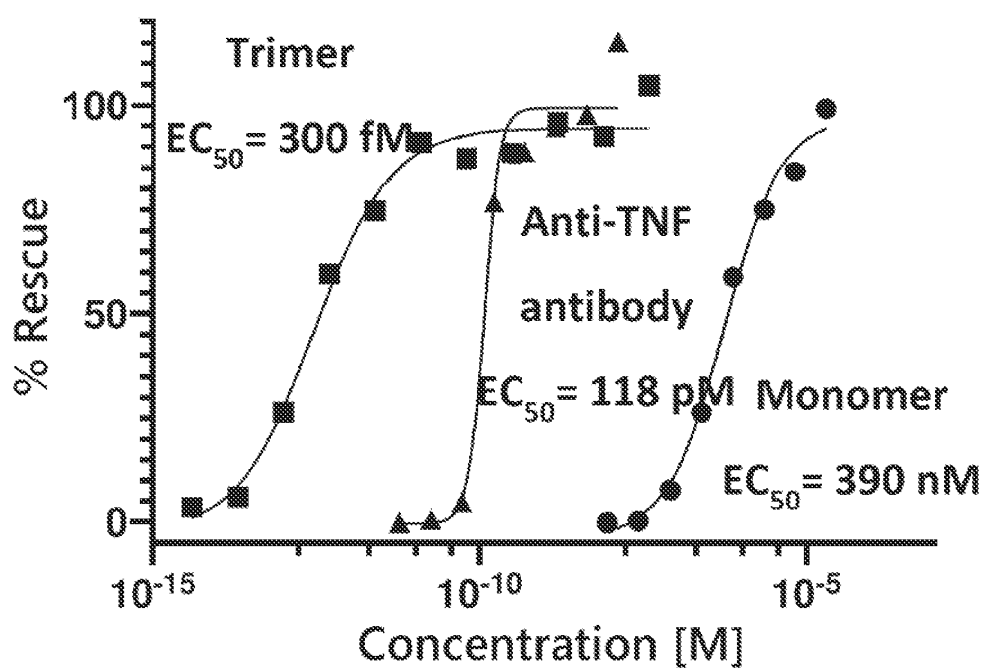


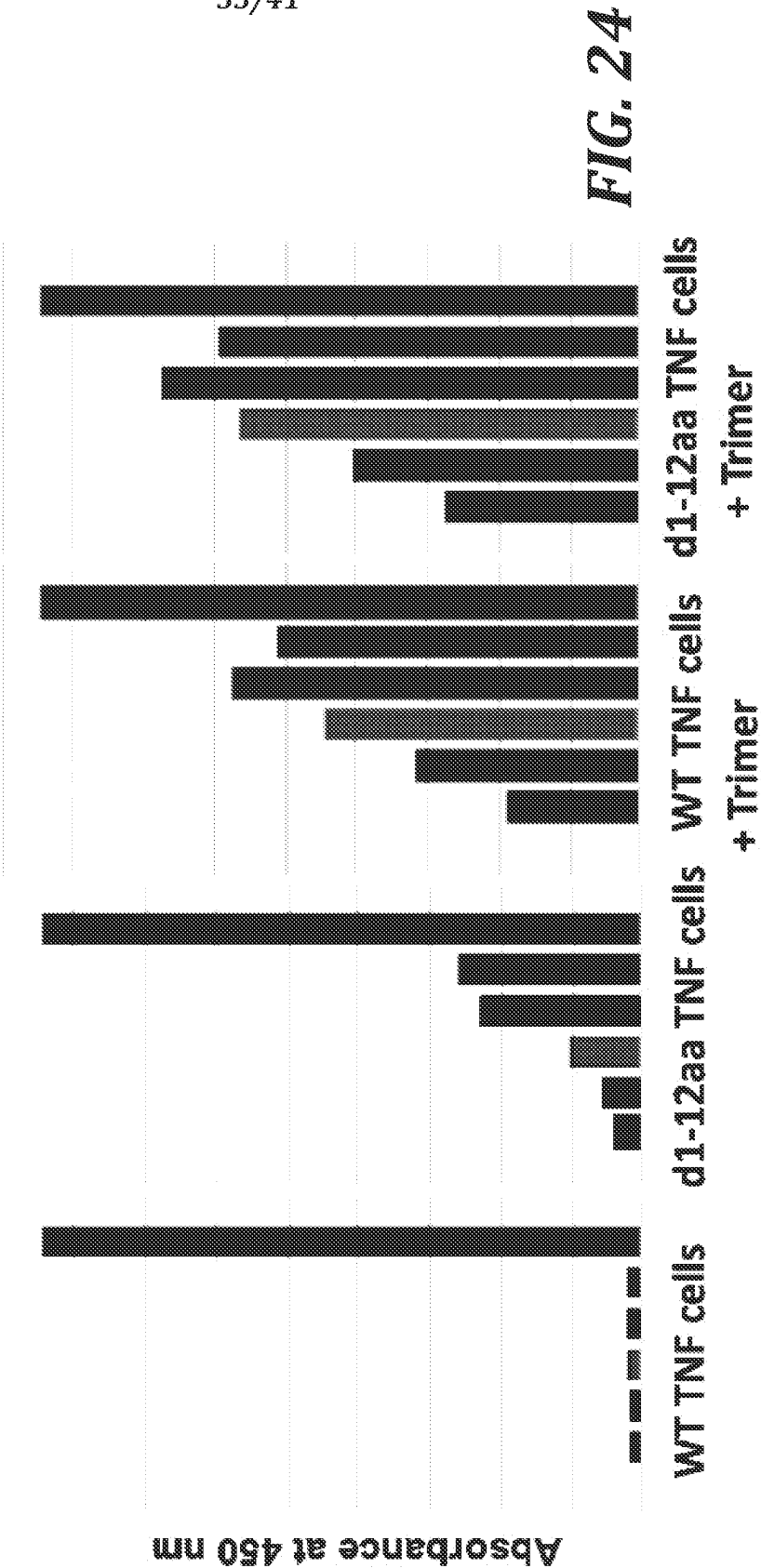
FIG. 22B

32/41

**FIG. 23A****FIG. 23B**

From left to right, within the series:

50 uL HEK293T cells (either TNF or d1-12aa TNF) + L929 cells	6.25 uL HEK293T cells (either TNF or d1-12aa TNF) + L929 cells
25 uL HEK293T cells (either TNF or d1-12aa TNF) + L929 cells	3.125 uL HEK293T cells (either TNF or d1-12aa TNF) + L929 cells
12.5 uL HEK293T cells (either TNF or d1-12aa TNF) + L929 cells	L929 cells only



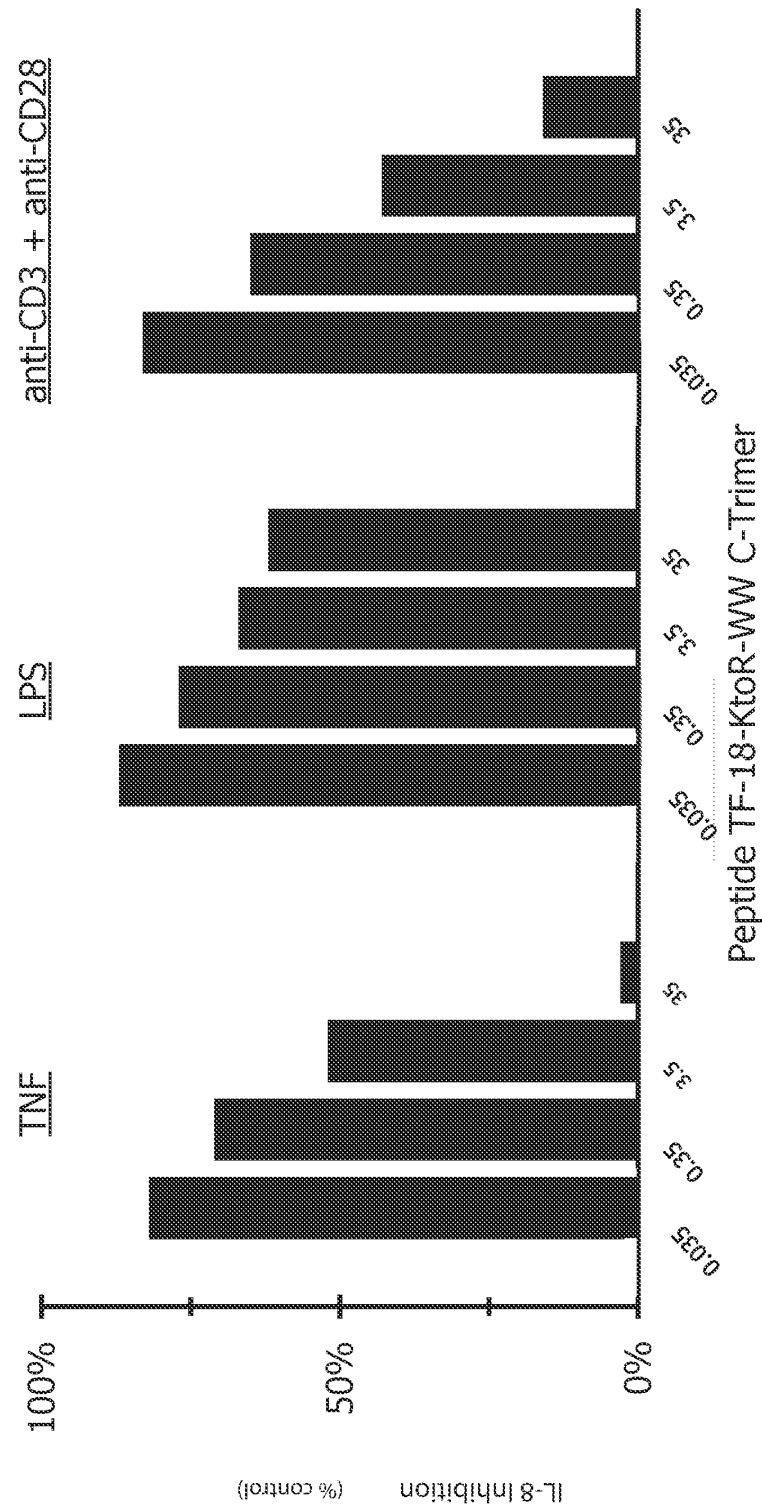


FIG. 25

35/41

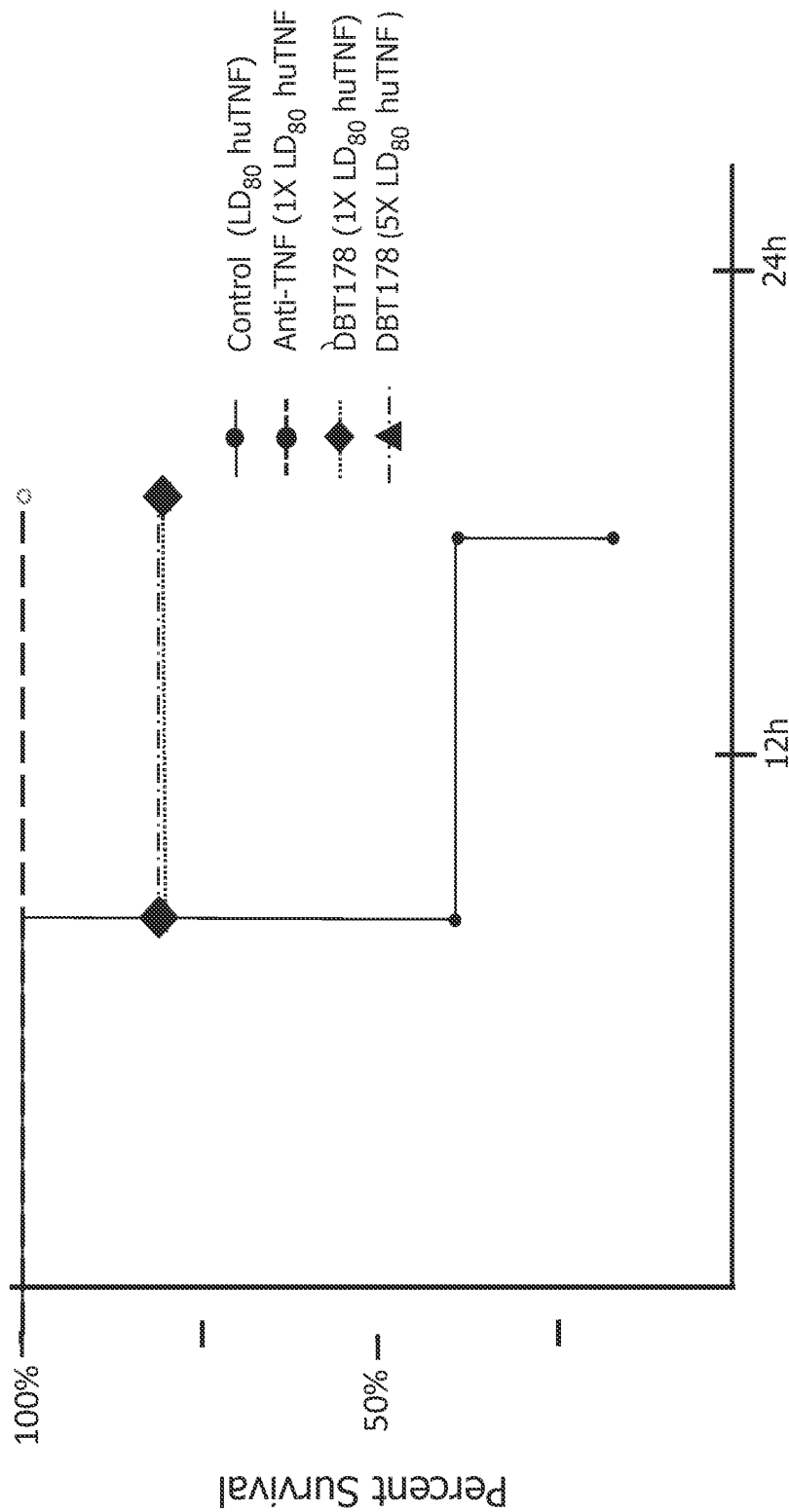


FIG. 26

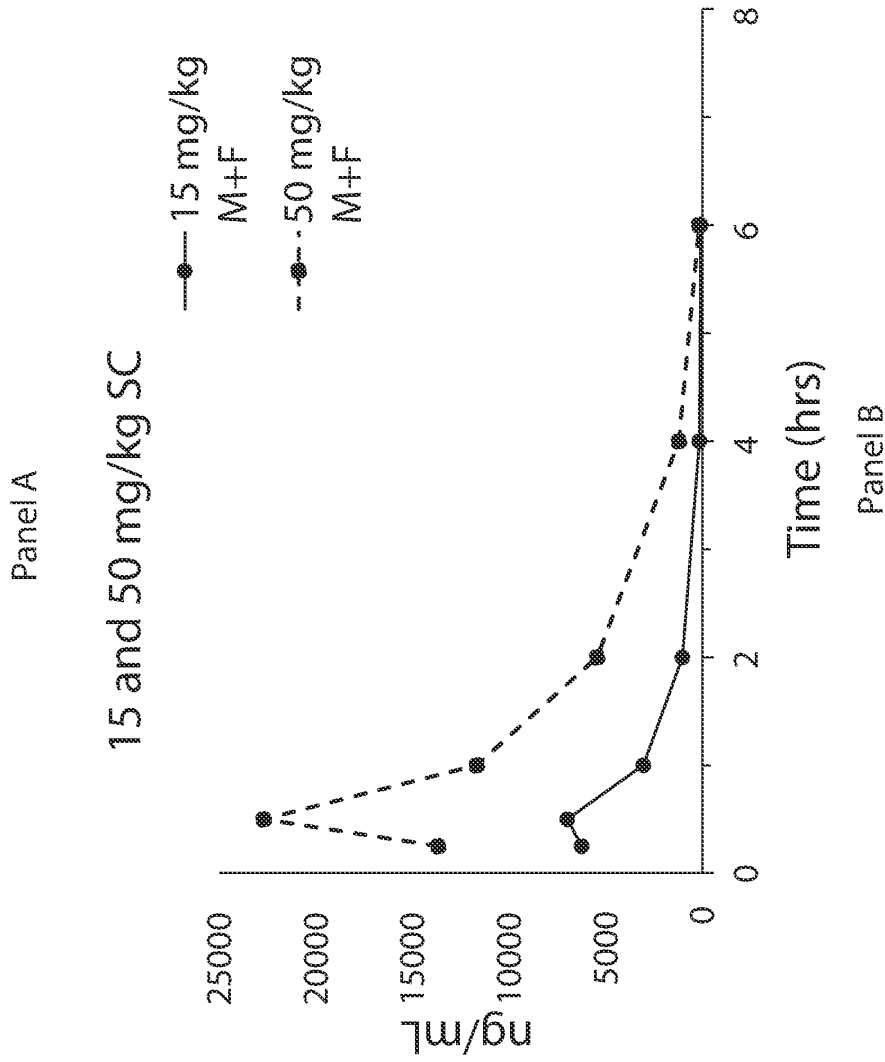


FIG. 27

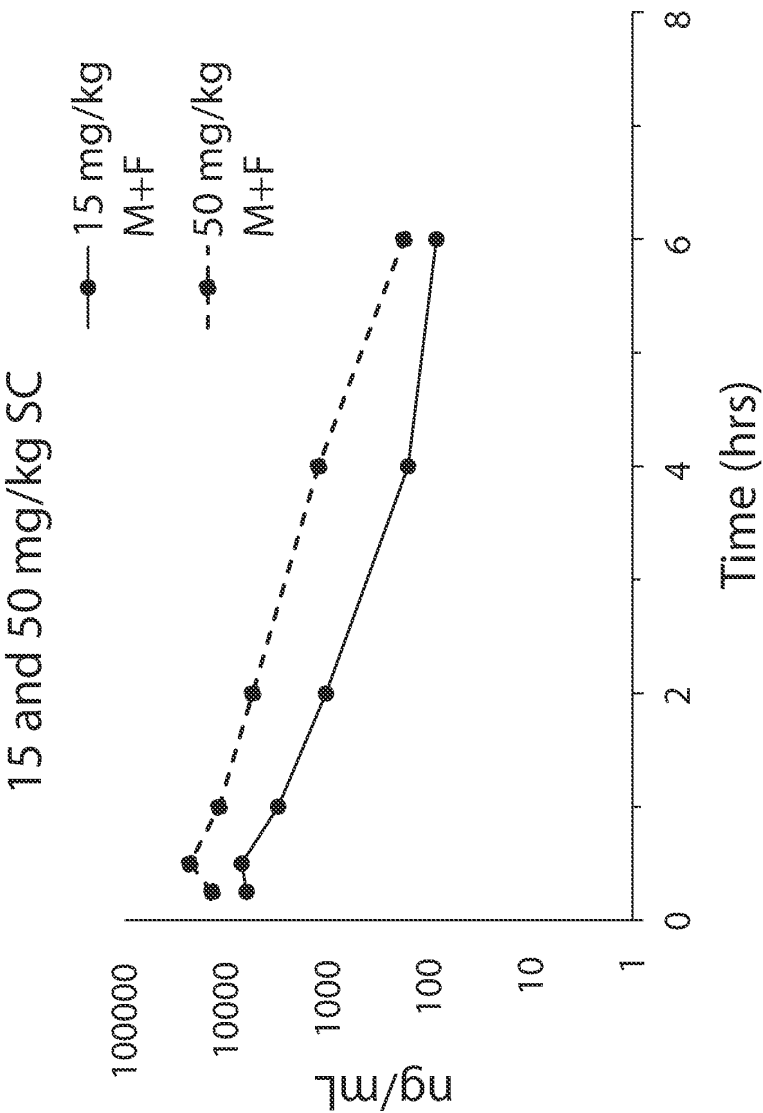


FIG. 28

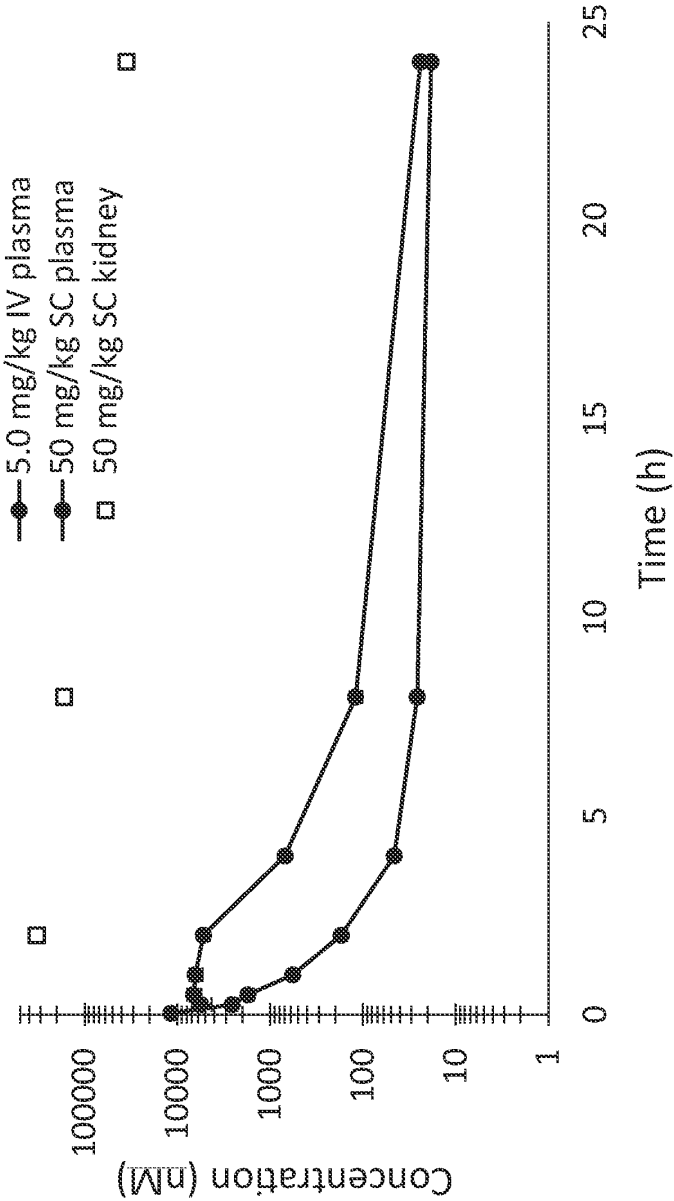


FIG. 29

