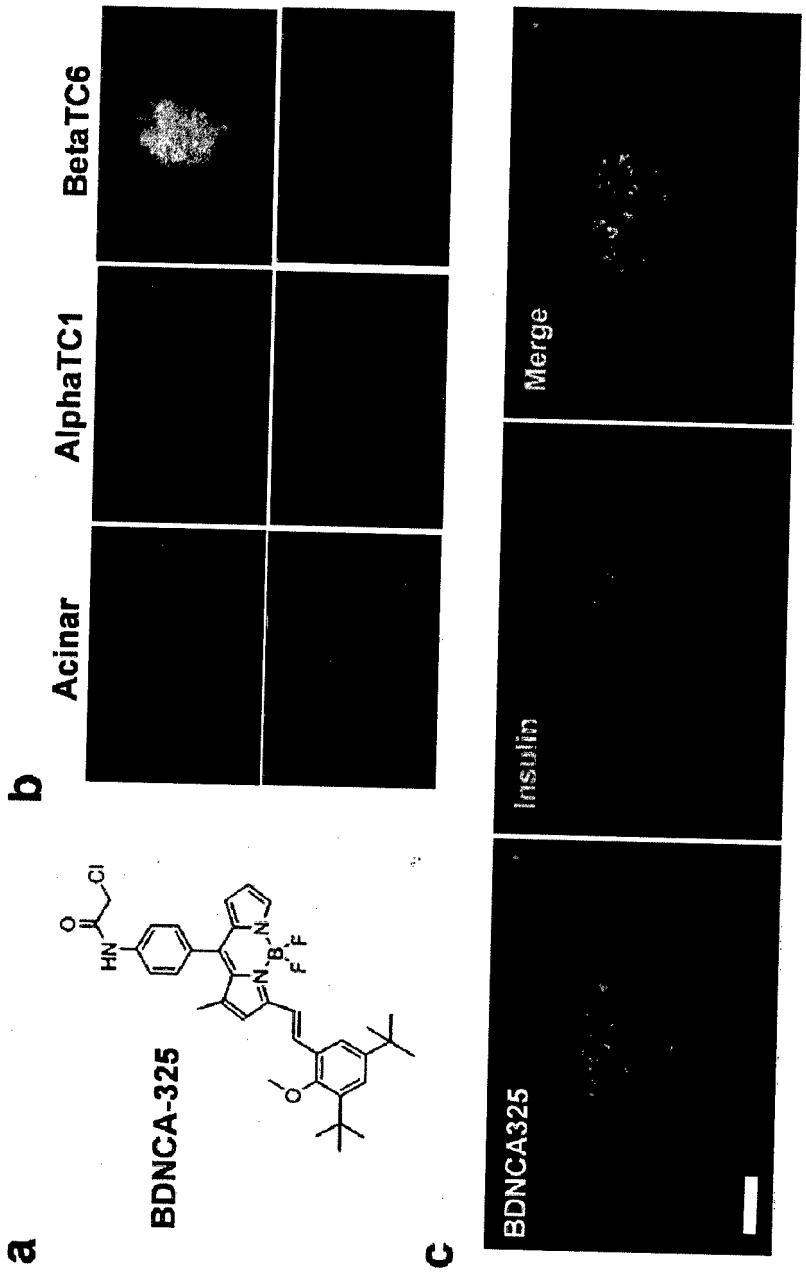

a
BDNCA-325
b
Acinar
AlphaTC1
BetaTC6
c
BDNCA325
Insulin
Merge

FIG. 1

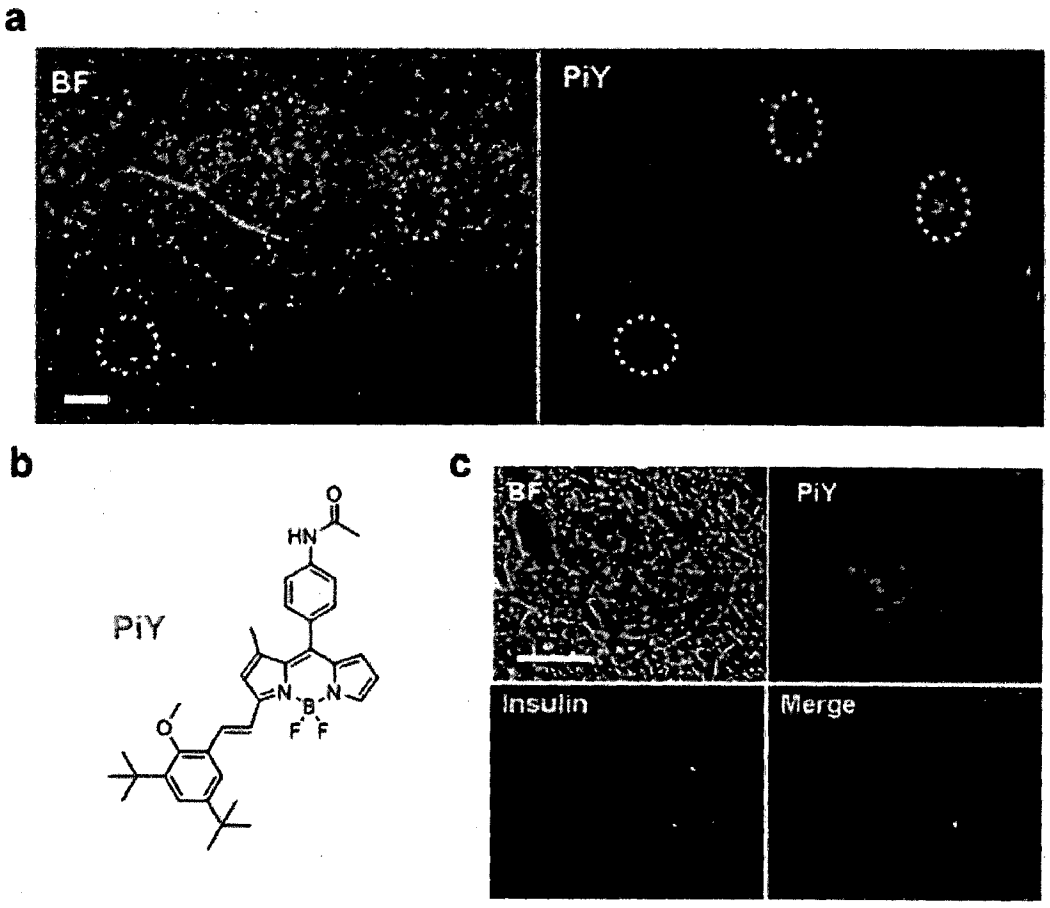


FIG. 2

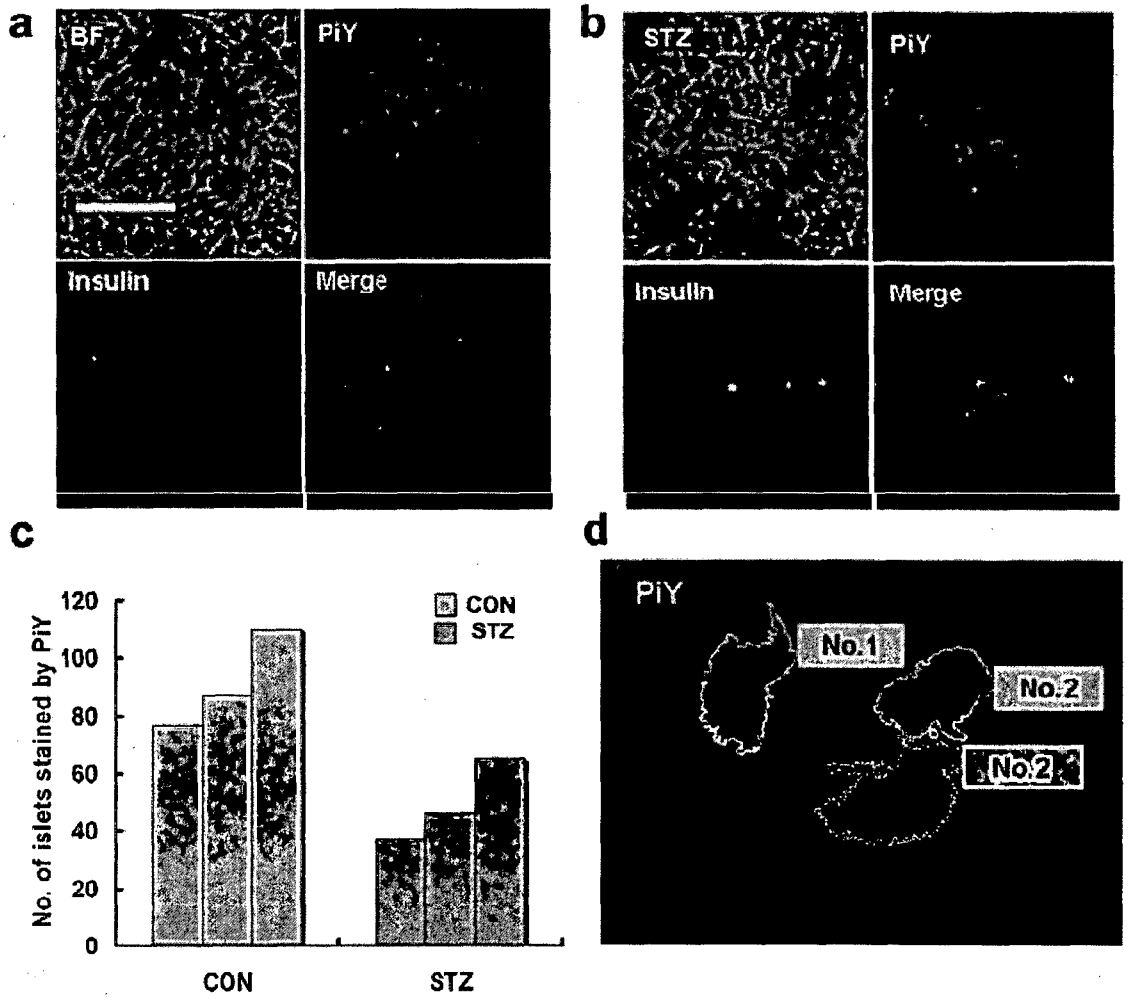

a
BF
PiY
Insulin
Merge
b
STZ
PiY
Insulin
Merge
c
No. of islets stained by PiY
120
100
80
60
40
20
0
CON
STZ
CON
STZ
d
PiY
No.1
No.2
No.2

FIG. 3

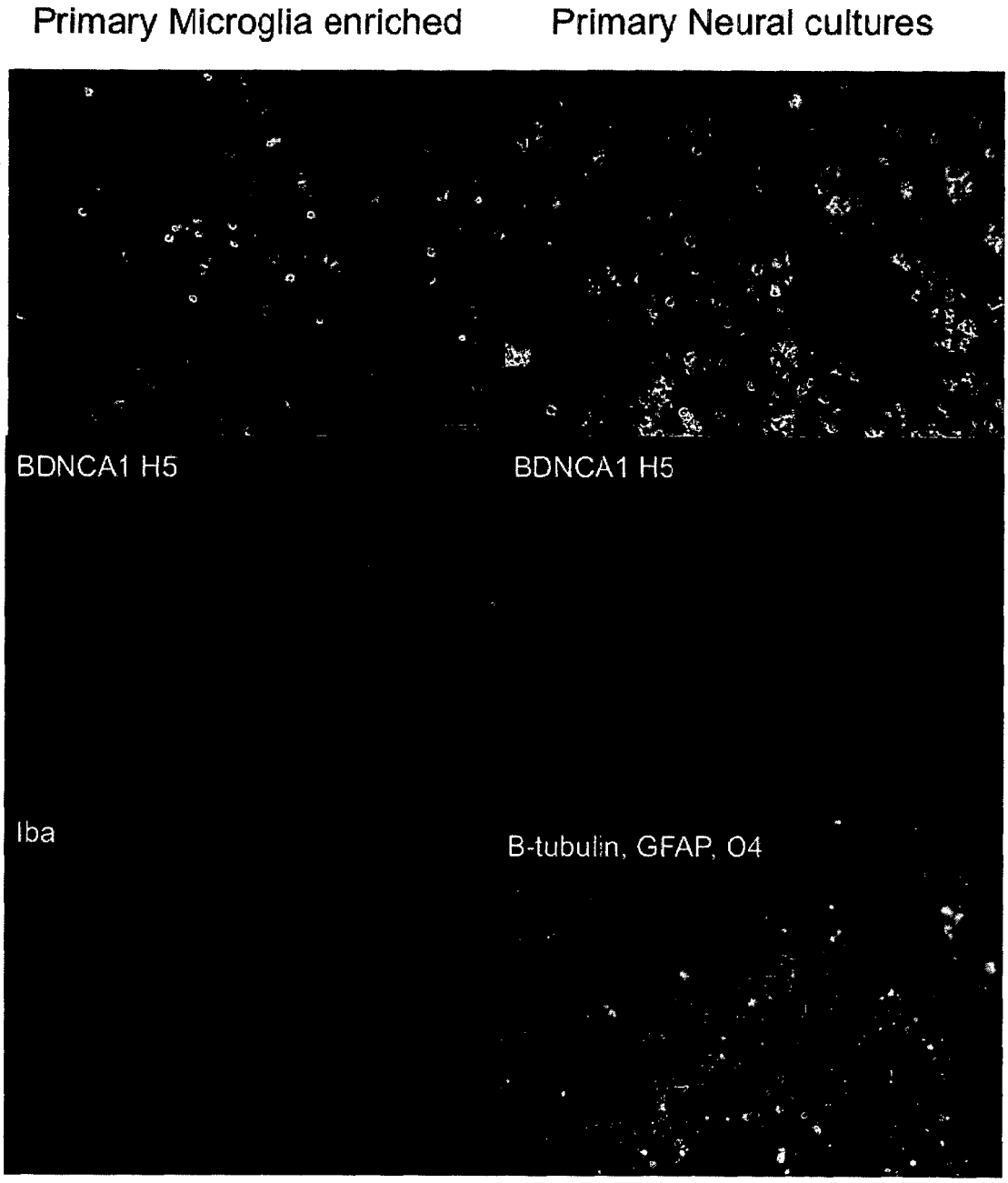

Primary Microglia enriched
Primary Neural cultures
BDNCA1 H5
BDNCA1 H5
Iba
B-tubulin, GFAP, O4

FIG. 4

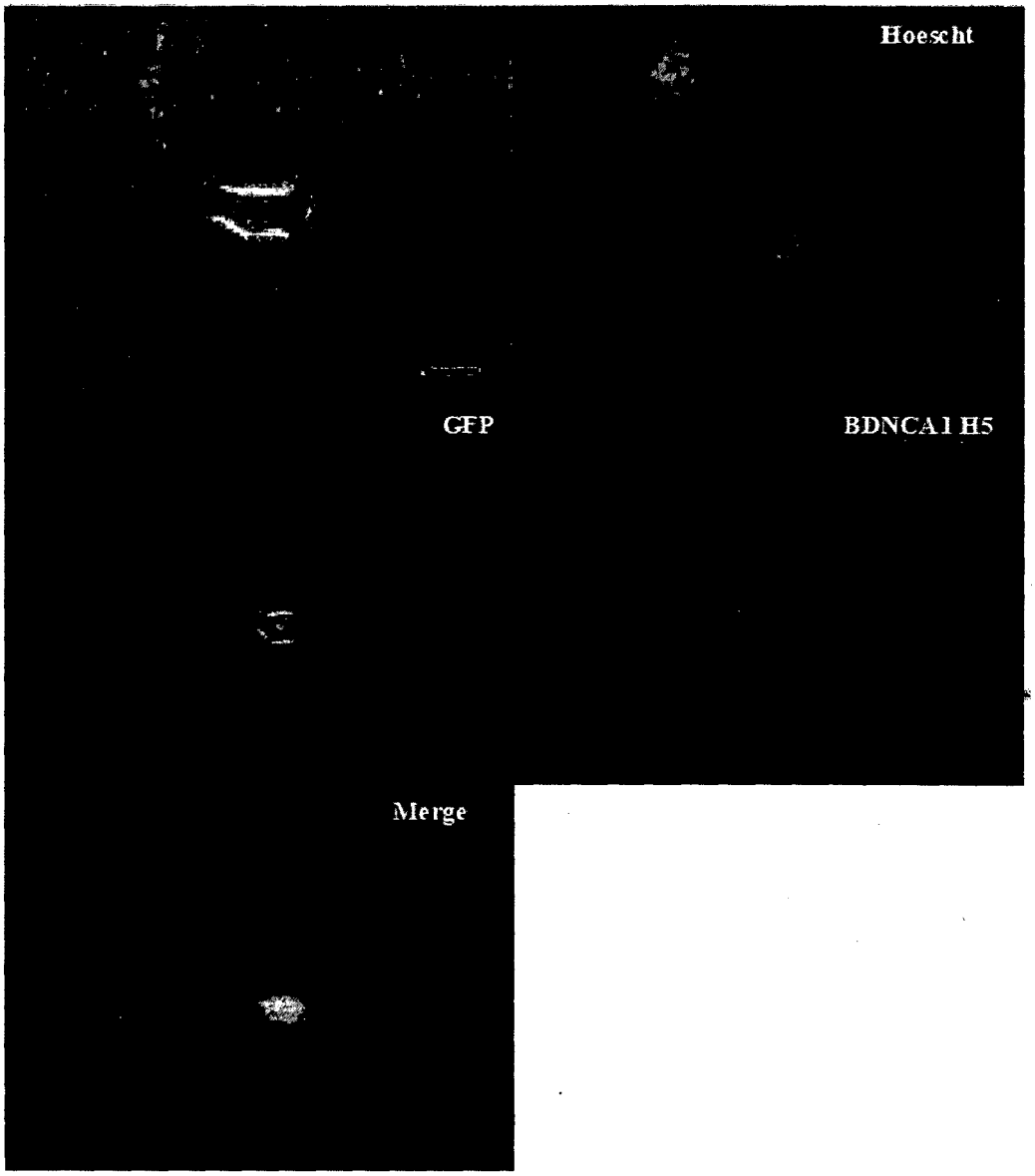


FIG. 5

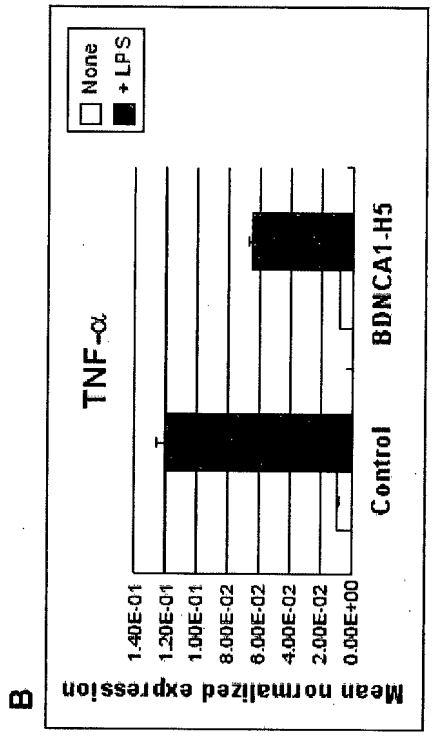

B
Mean normalized expression
1.40E-01
1.20E-01
1.00E-01
8.00E-02
6.00E-02
4.00E-02
2.00E-02
0.00E+00
TNF-α
None
+ LPS
Control
BDNCA1-H5
A
Mean normalized expression
2.50E-02
2.00E-02
1.50E-02
1.00E-02
5.00E-03
0.00E+00
IL-6
None
+ LPS
Control
BDNCA1-H5

FIG. 6

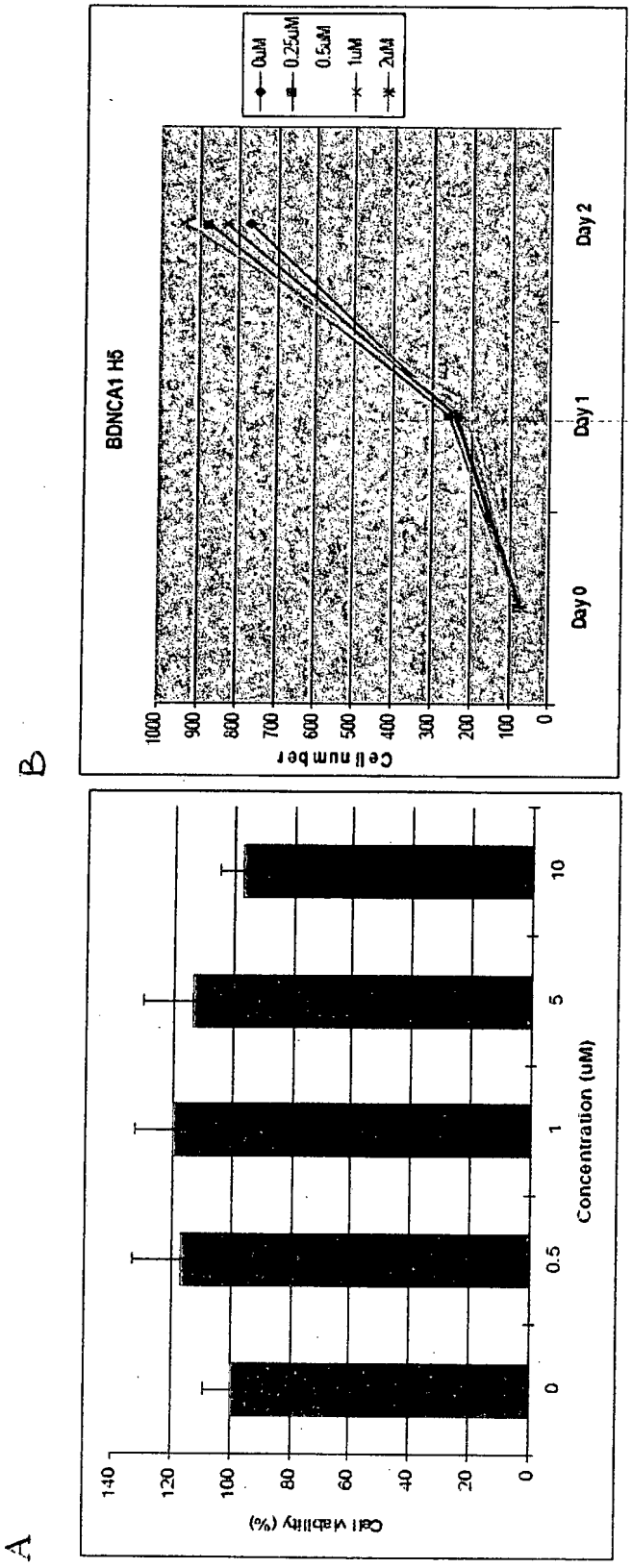

A
Cell viability (%)
0
20
40
60
80
100
120
140
0
0.5
1
5
10
Concentration (uM)
B
BDNCA1 H5
Cell number
0
100
200
300
400
500
600
700
800
900
1000
Day 0
Day 1
Day 2
0uM
0.25uM
0.5uM
1uM
2uM

FIG. 7

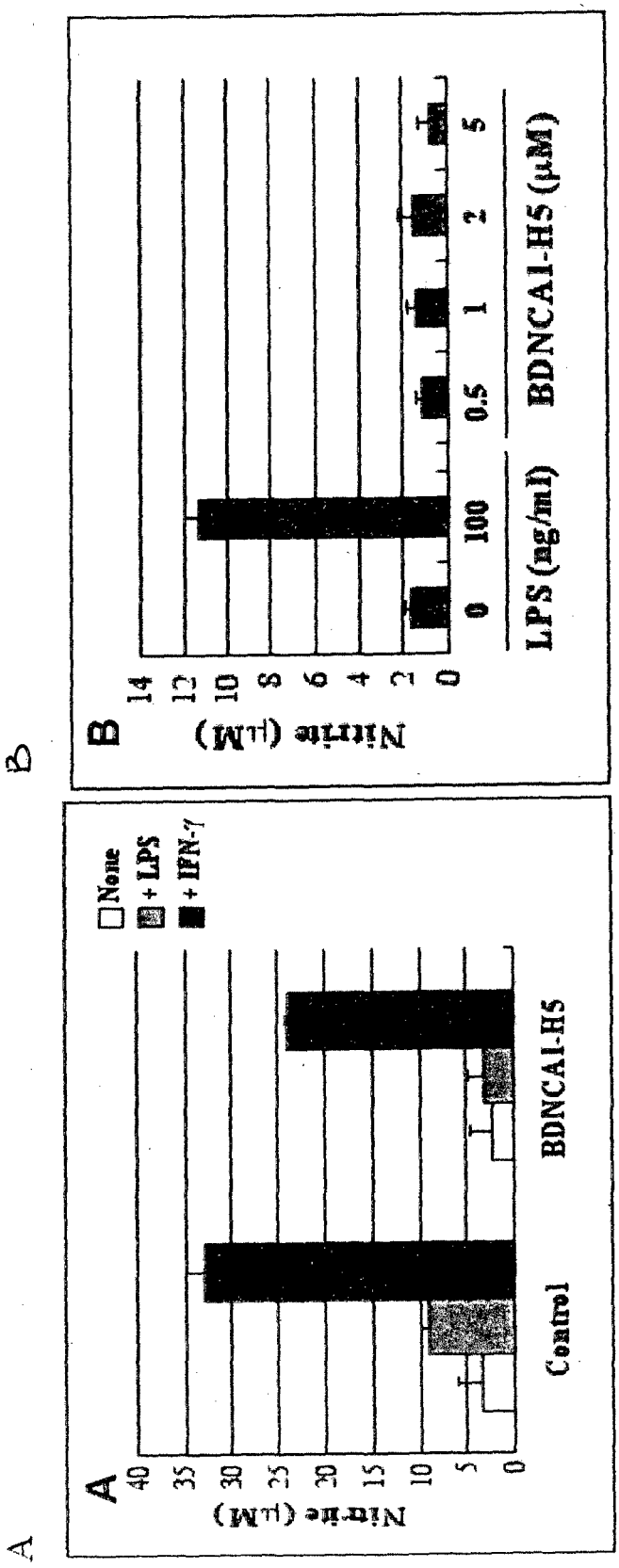

A
Nitrite (μM)
40
35
30
25
20
15
10
5
0
Control
BDNCA1-H5
None
+ LPS
+ IFN-γ
B
Nitrite (μM)
14
12
10
8
6
4
2
0
0
100
0.5
1
2
5
LPS (ng/ml)
BDNCA1-H5 (μM)

FIG. 8

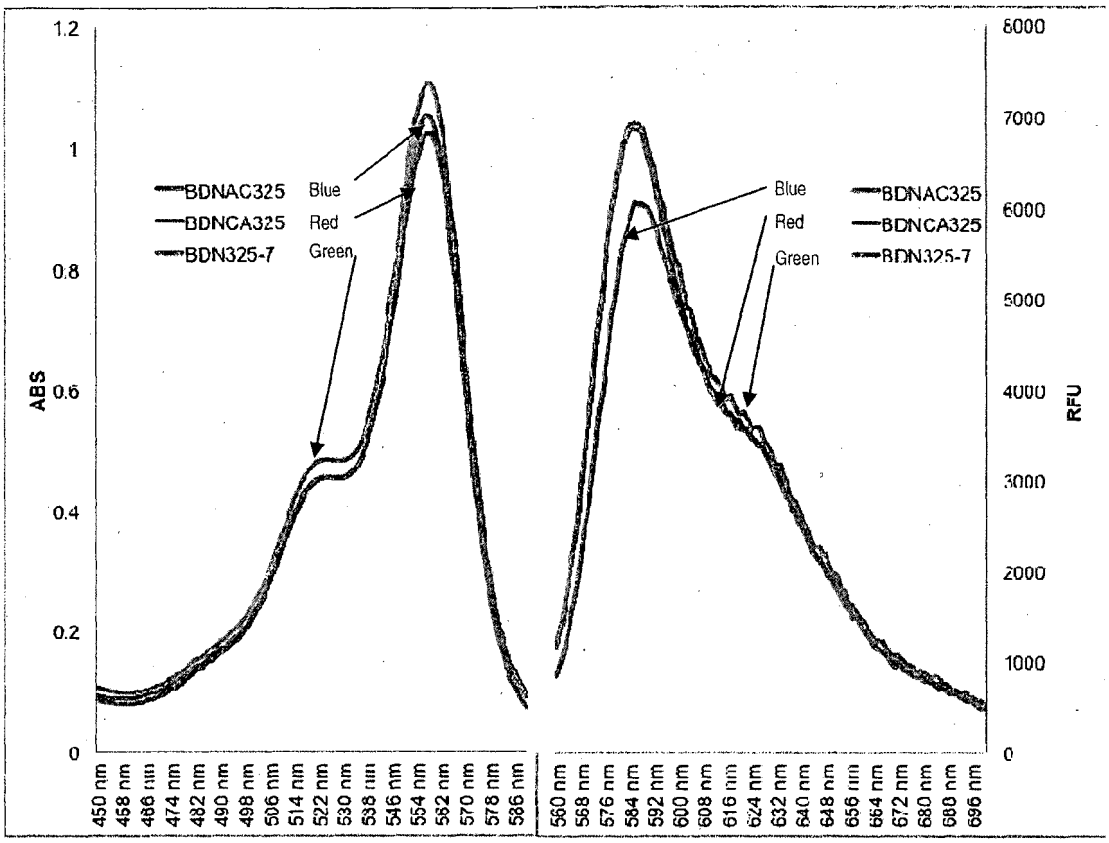

1.2
1
0.8
0.6
0.4
0.2
0
ABS
6000
7000
6000
5000
4000
3000
2000
1000
0
RFU
BDNAC325
BDNCA325
BDN325-7
Blue
Red
Green
450 nm
458 nm
466 nm
474 nm
482 nm
490 nm
498 nm
506 nm
514 nm
522 nm
530 nm
538 nm
546 nm
554 nm
562 nm
570 nm
578 nm
586 nm
560 nm
568 nm
576 nm
584 nm
592 nm
600 nm
608 nm
616 nm
624 nm
632 nm
640 nm
648 nm
656 nm
664 nm
672 nm
680 nm
688 nm
696 nm

FIG. 9

FIG. 10a

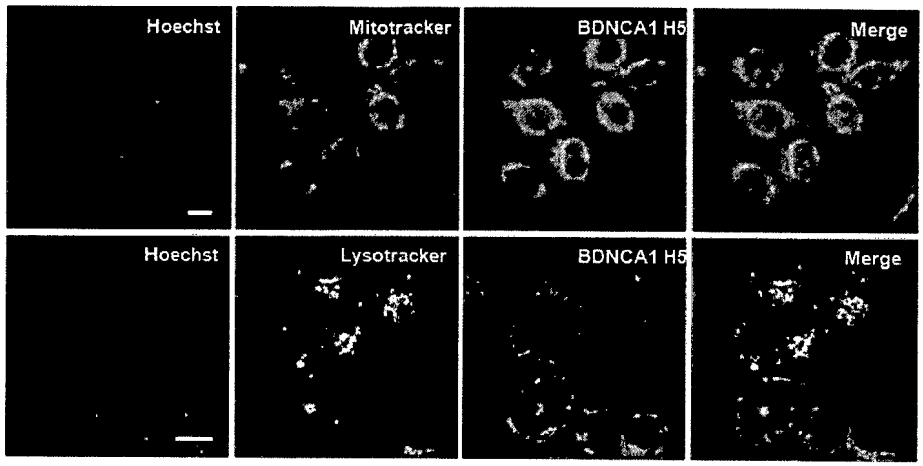


FIG. 10b

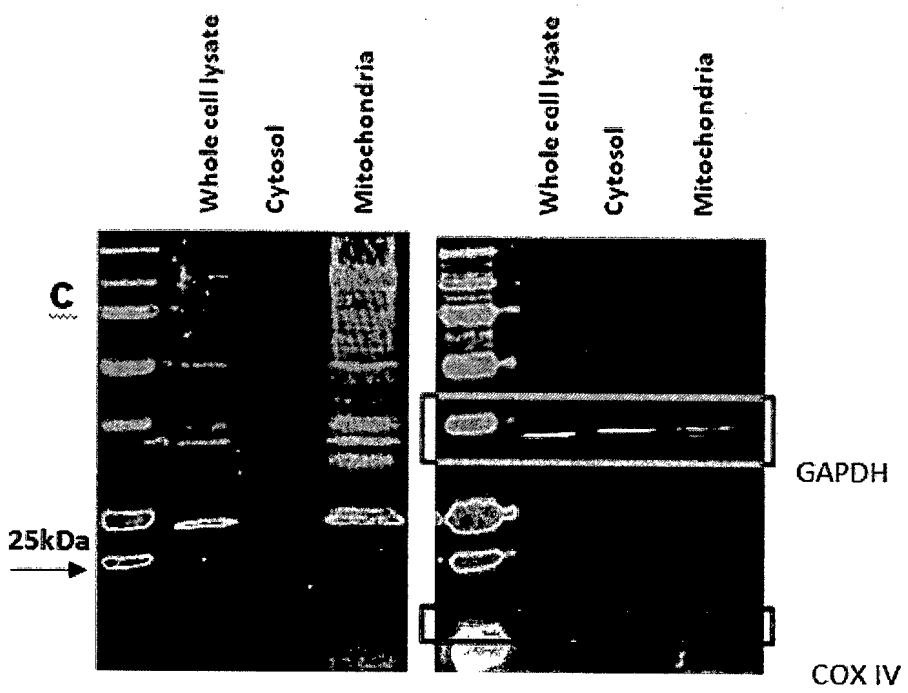


FIG. 10c

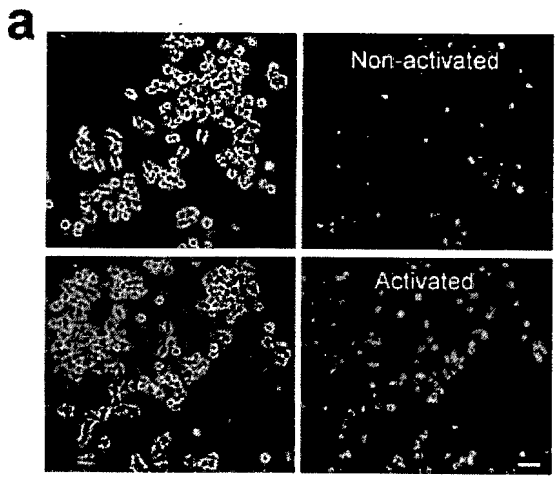


FIG. 11a

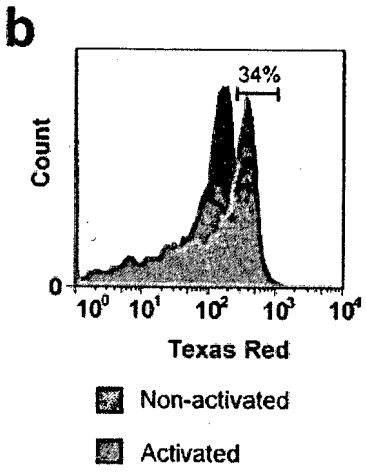


FIG. 11b