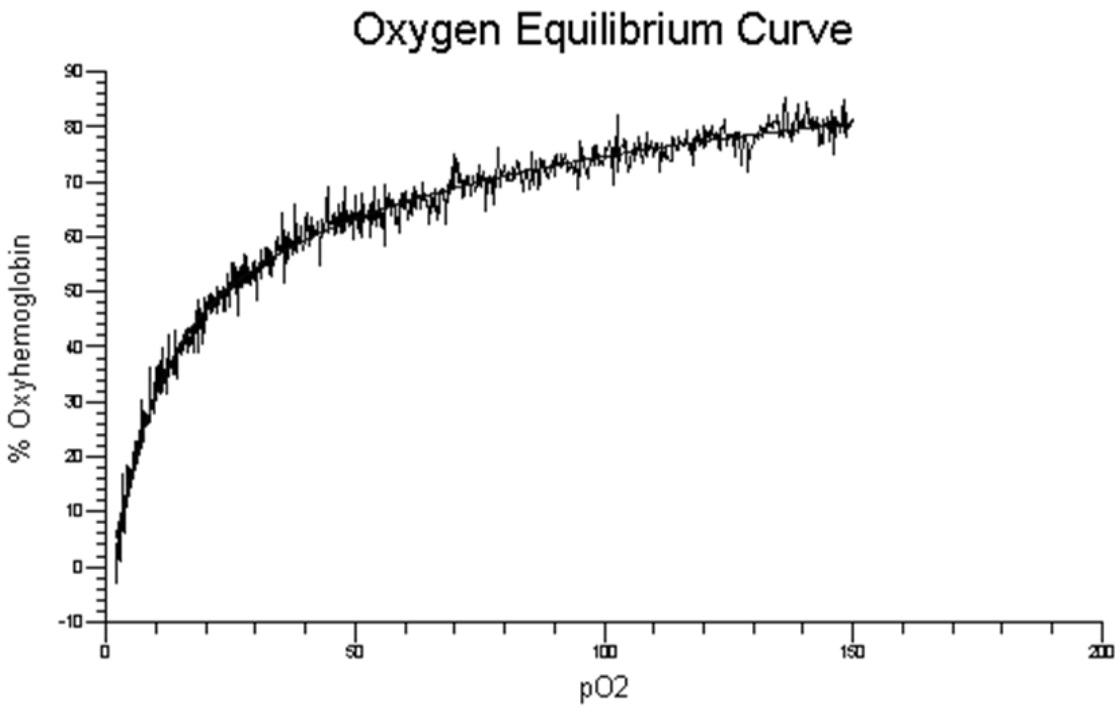
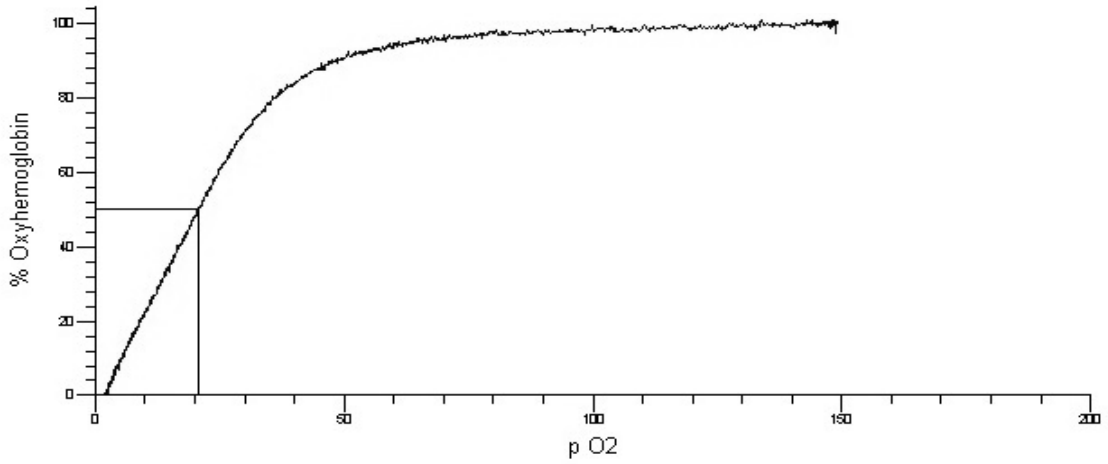
(A)



p50 of recombinant hemoglobin tetramer ($2\alpha\beta_2$): 15 mmHg

(B)



p50 of recombinant hemoglobin tetramer ($2\alpha\gamma1_2$): 21 mmHg

FIG. 7

Intensity

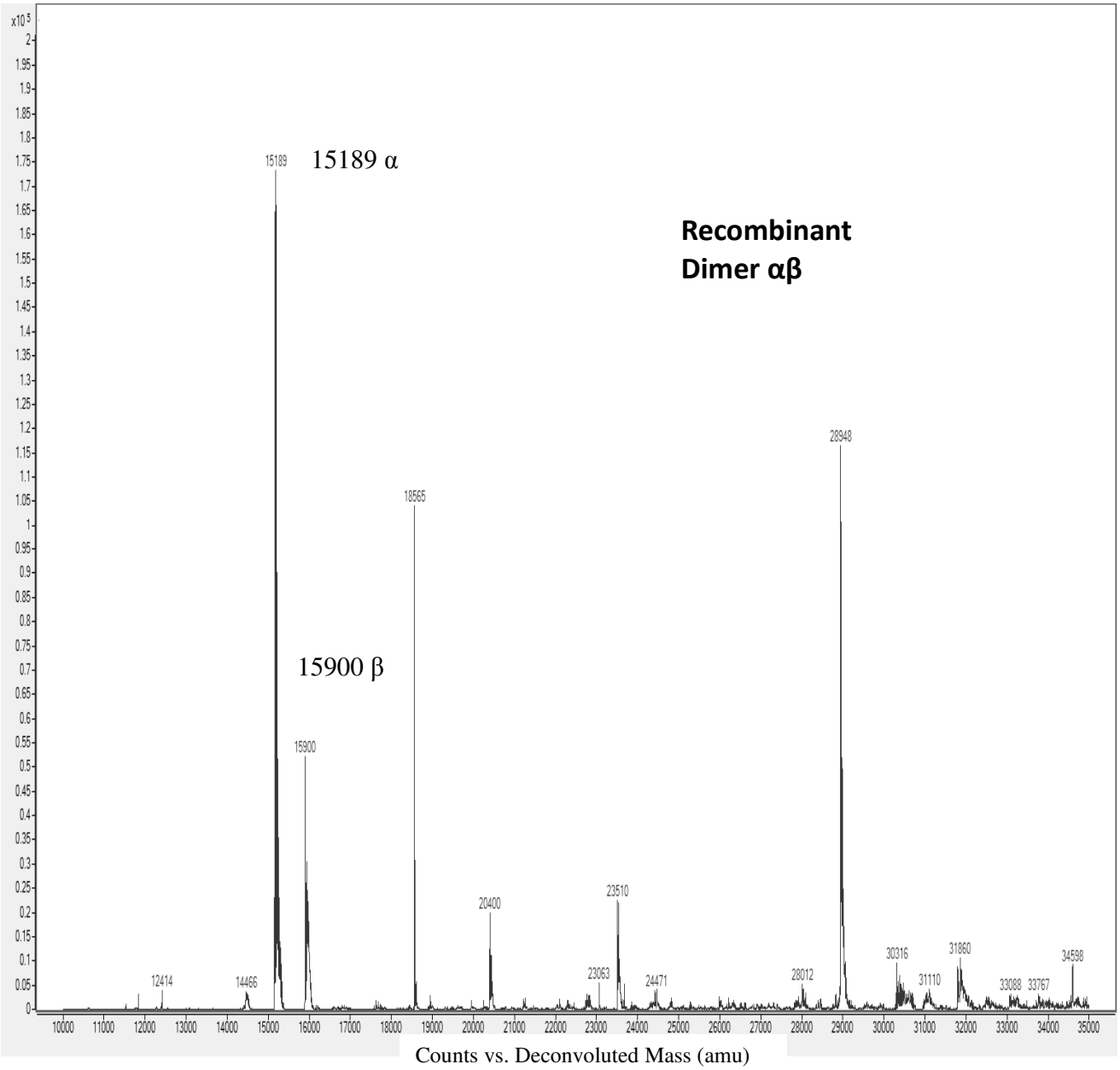
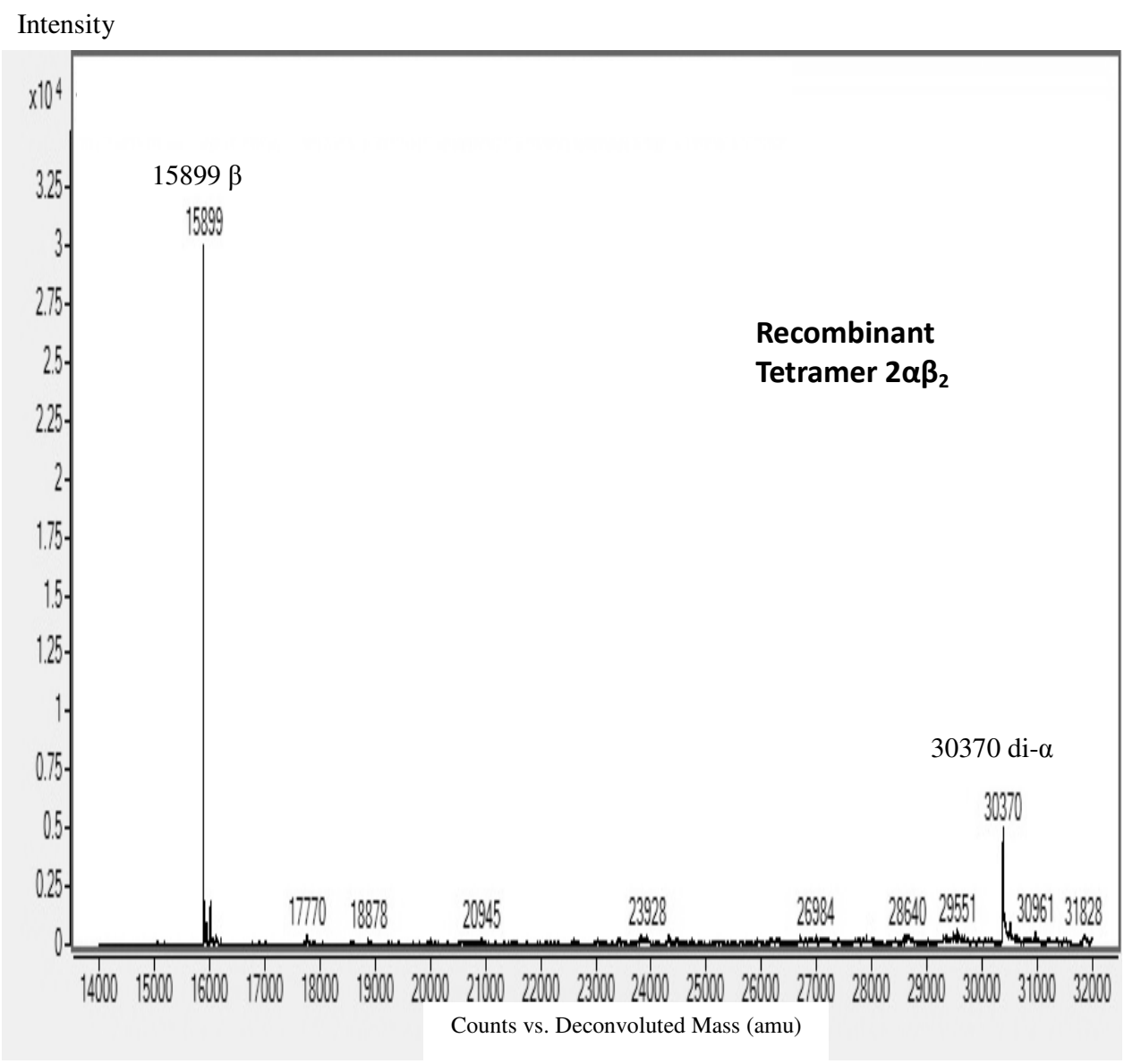


FIG. 8


Intensity
x10 4
3.25
3
2.75
2.5
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
15899 β
15899
Recombinant
Tetramer 2αβ2
30370 di-α
30370
17770
18878
20945
23928
26984
28640
29551
30961
31828
14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000
Counts vs. Deconvoluted Mass (amu)

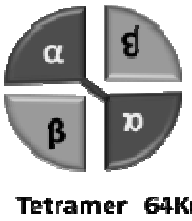

α
β
Tetramer 64Kd

FIG. 9

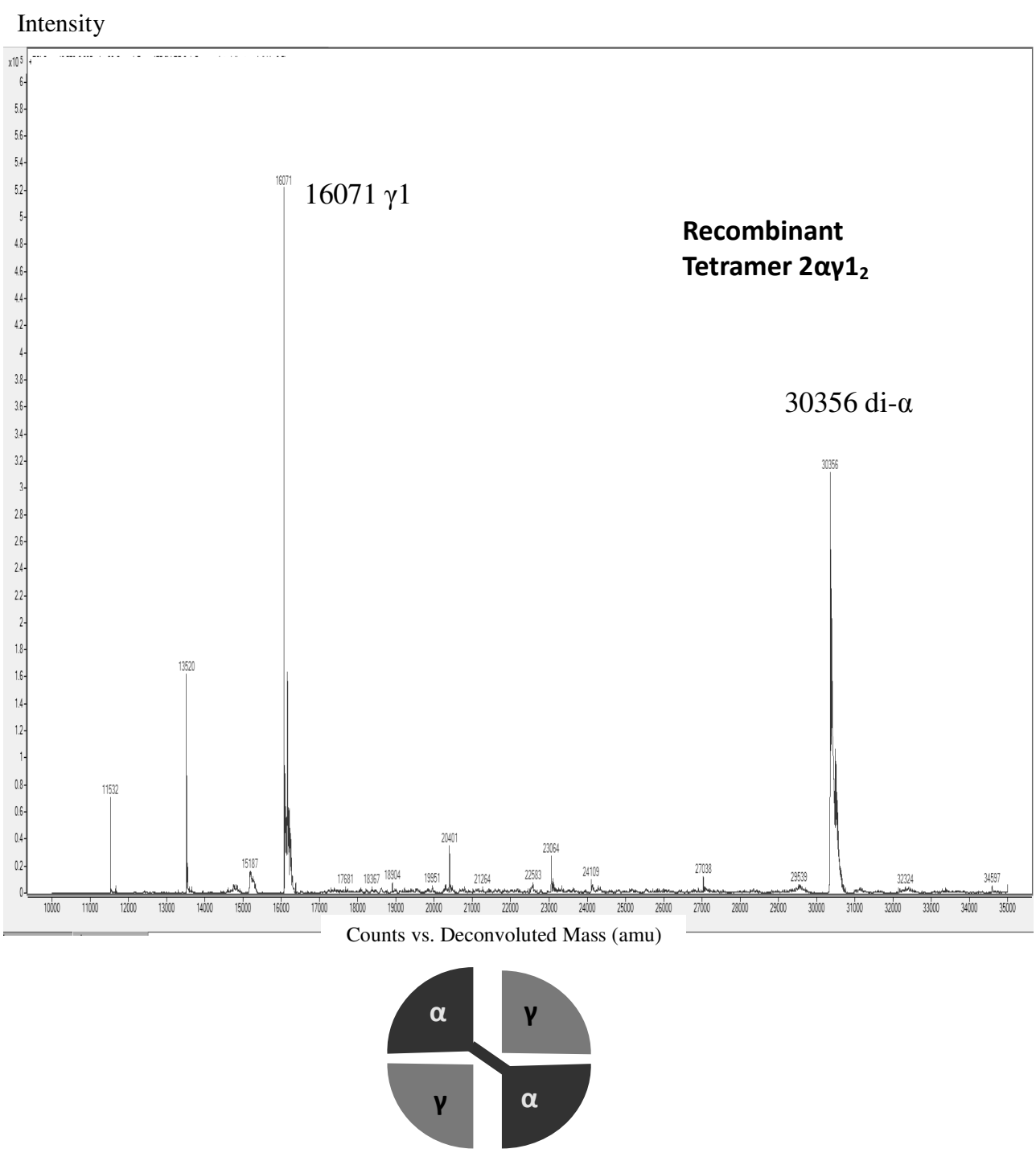


FIG. 9 (Continued)

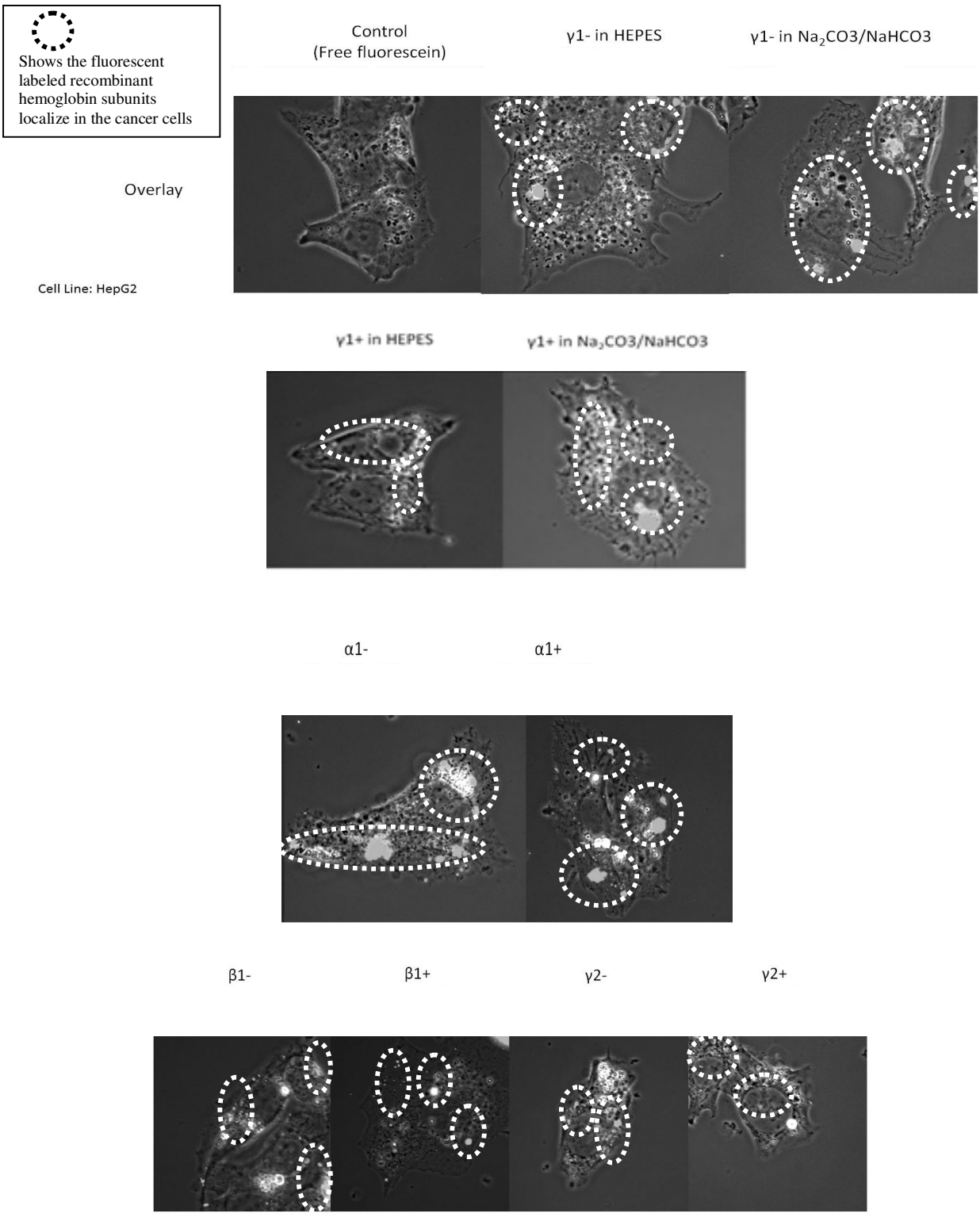
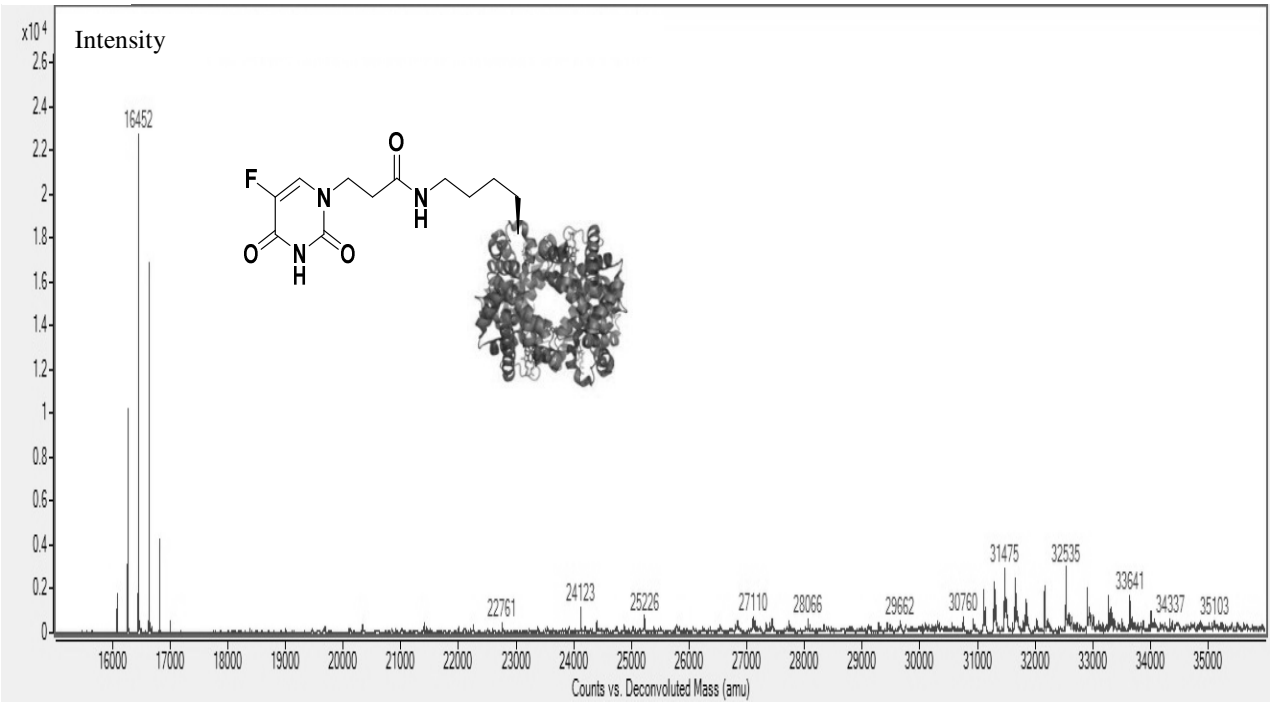

Shows the fluorescent labeled recombinant hemoglobin subunits localize in the cancer cells
Control (Free fluorescein)
γ1- in HEPES
γ1- in Na2CO3/NaHCO3
Overlay
Cell Line: HepG2
γ1+ in HEPES
γ1+ in Na2CO3/NaHCO3
α1-
α1+
β1-
β1+
γ2-
γ2+

FIG. 10

(A)


Intensity
x10 4
16452
22761
24123
25226
27110
28066
29662
30760
31475
32535
33641
34337
35103
Counts vs. Deconvoluted Mass (amu)

(B)

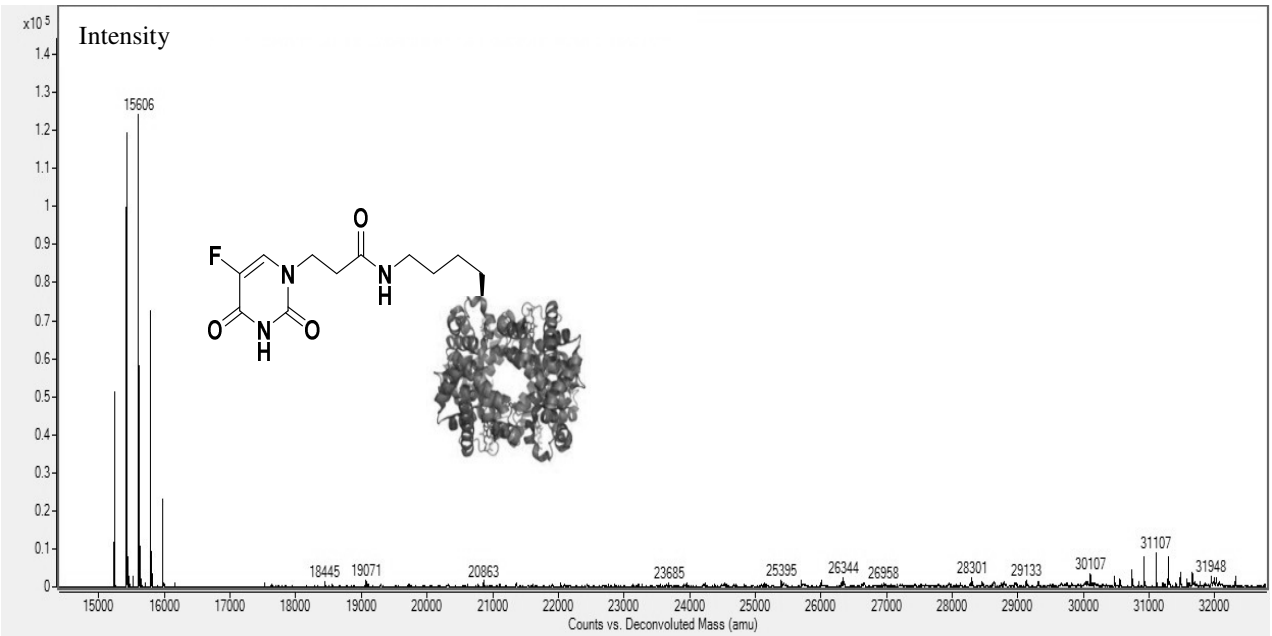

Intensity
x10 5
15606
18445
19071
20863
23685
25395
26344
26958
28301
29133
30107
31107
31948
Counts vs. Deconvoluted Mass (amu)

FIG. 11