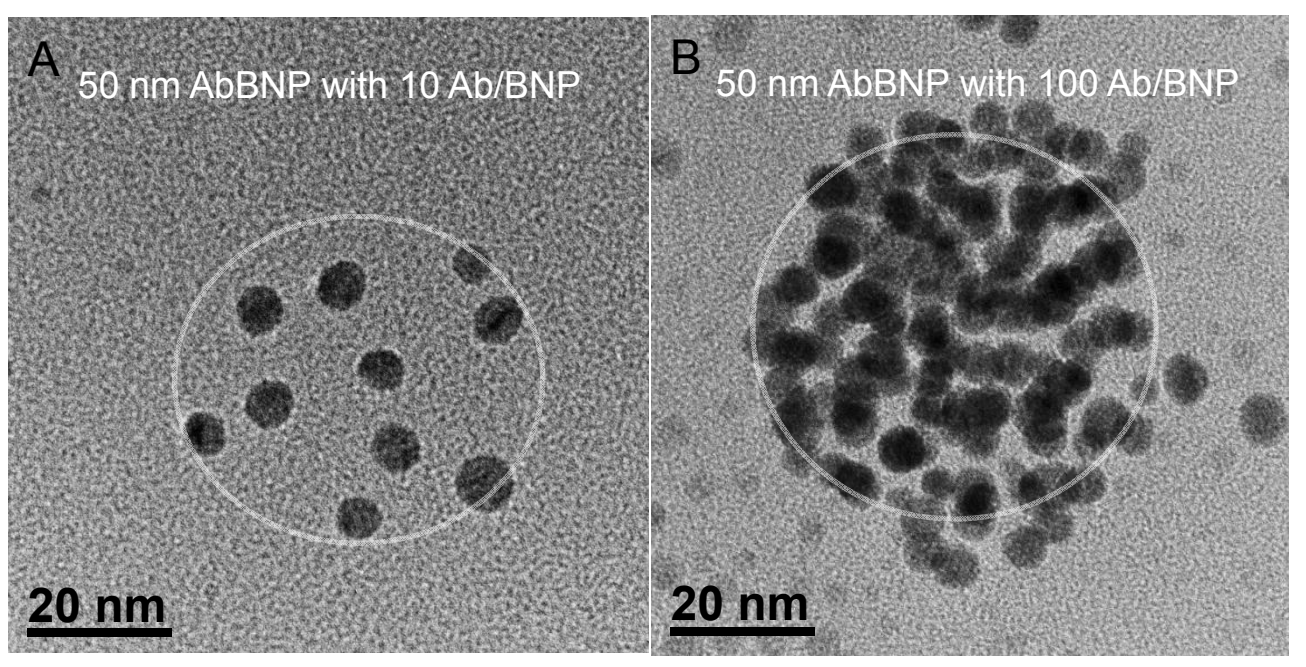
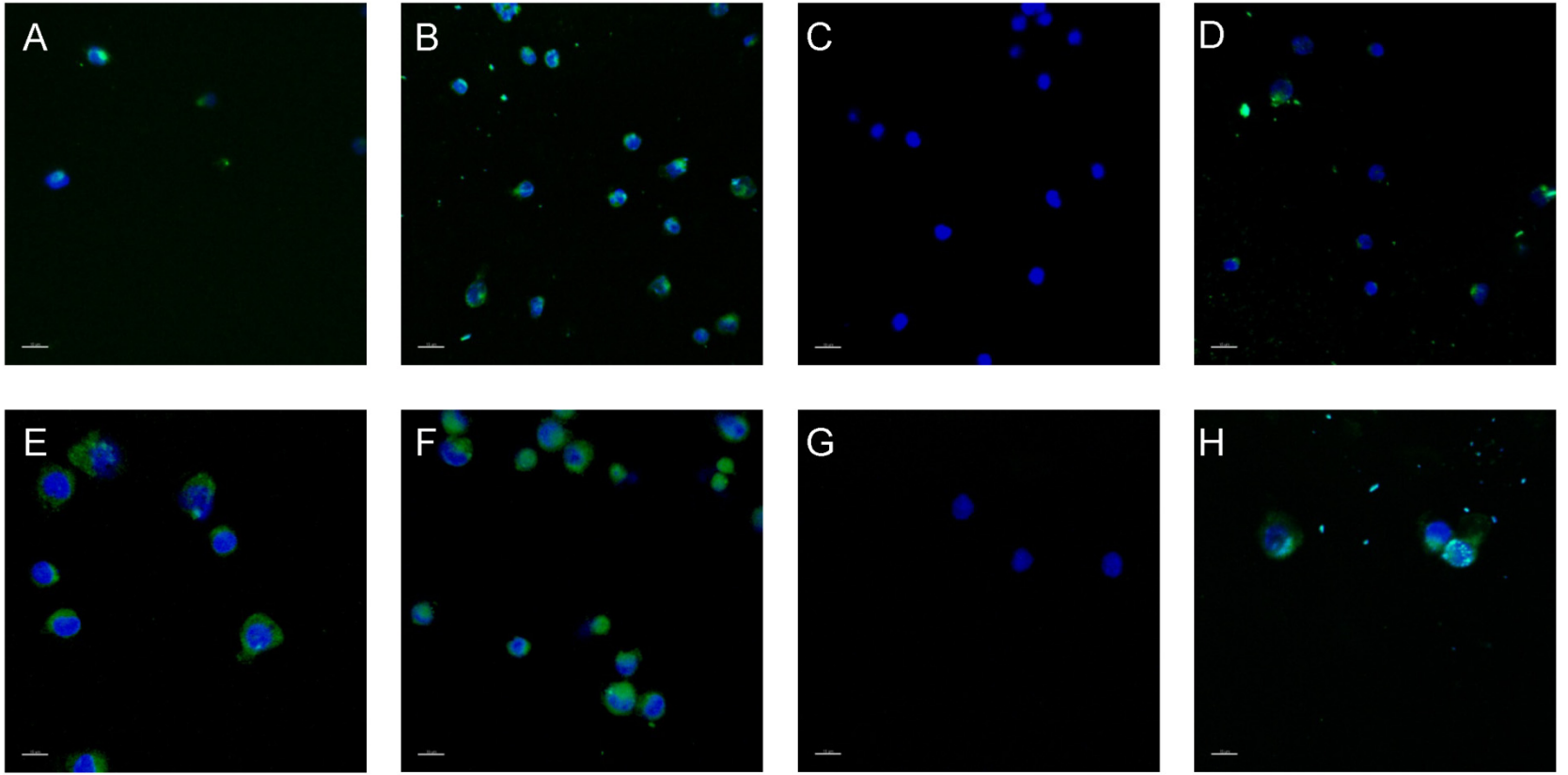
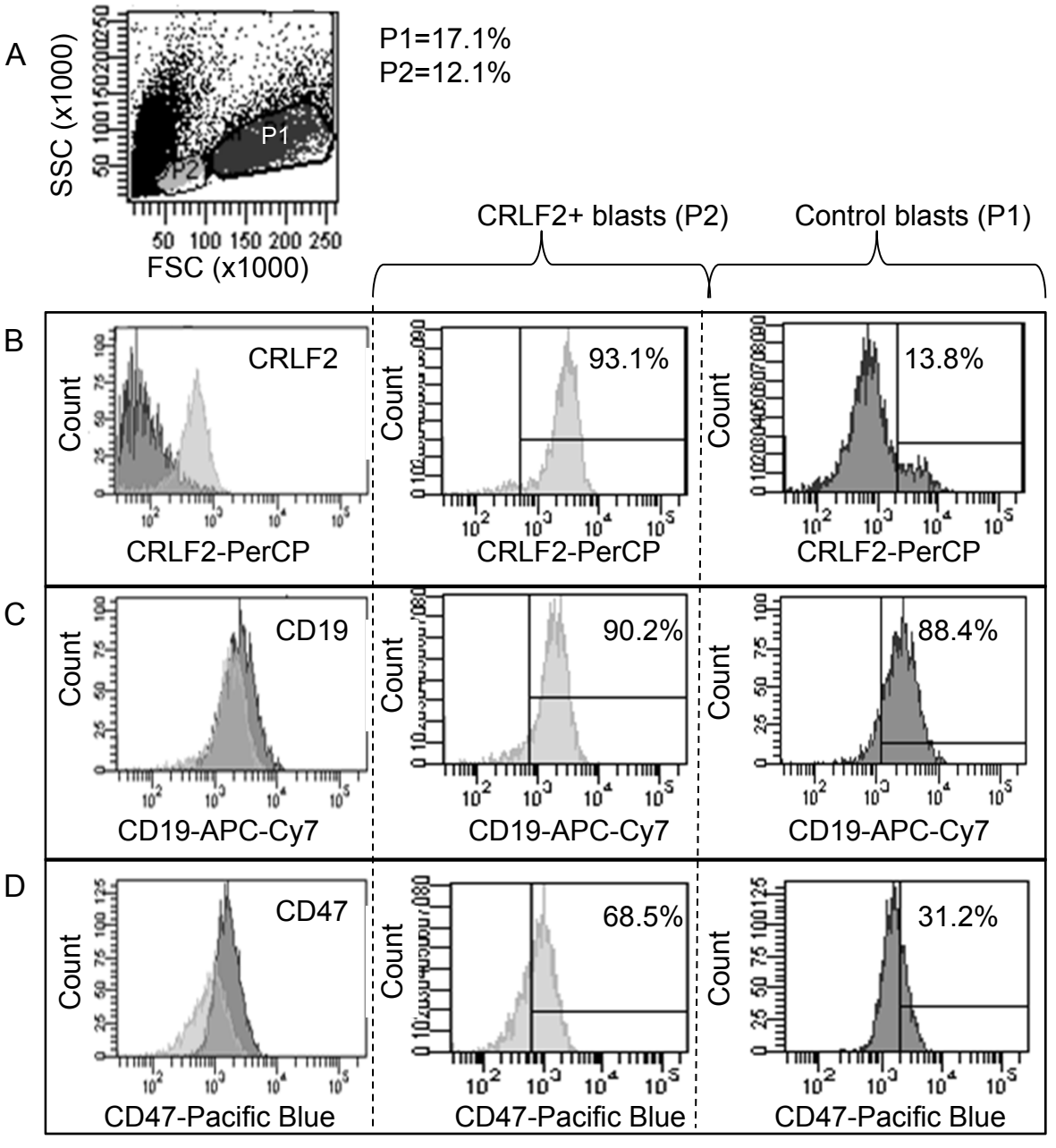
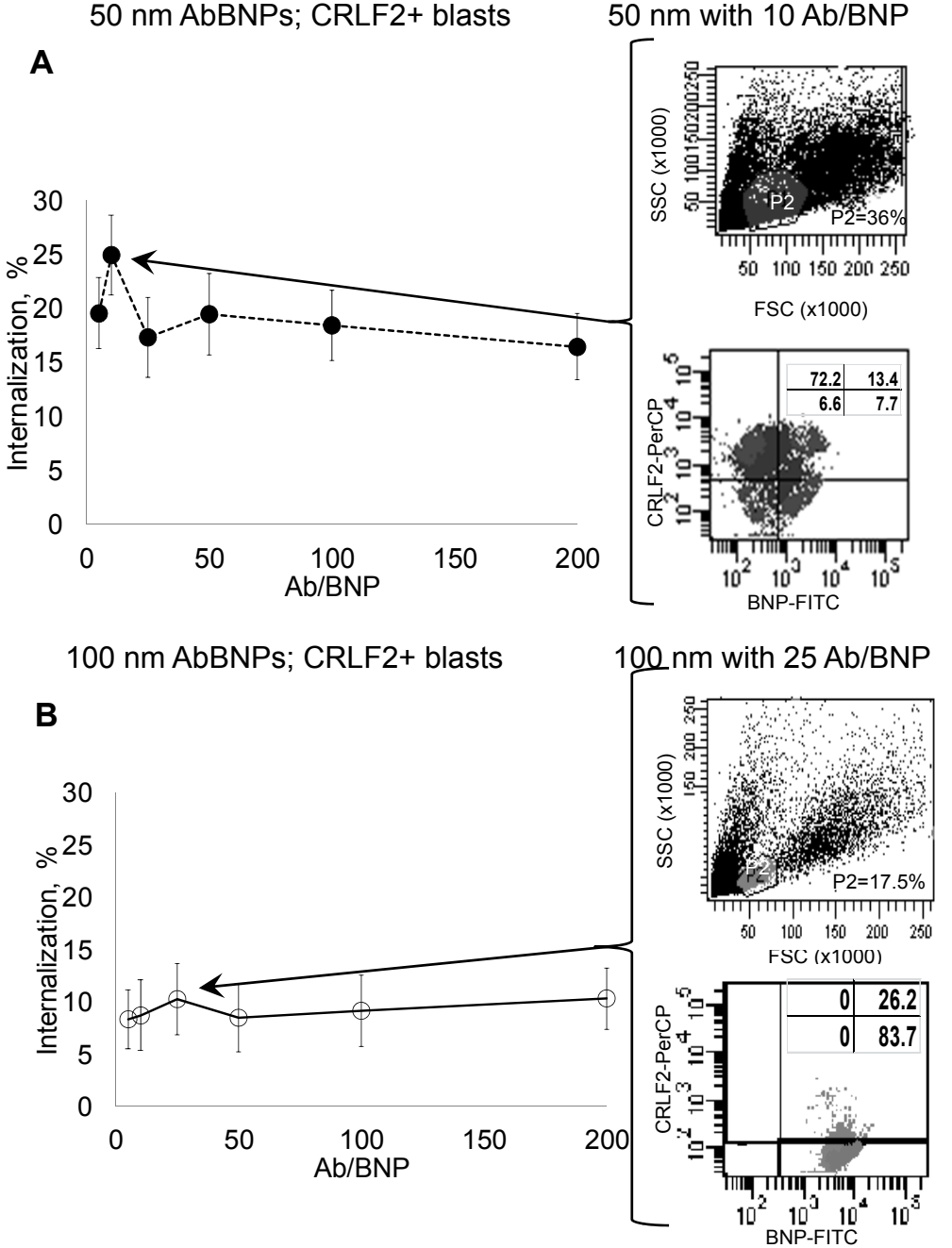
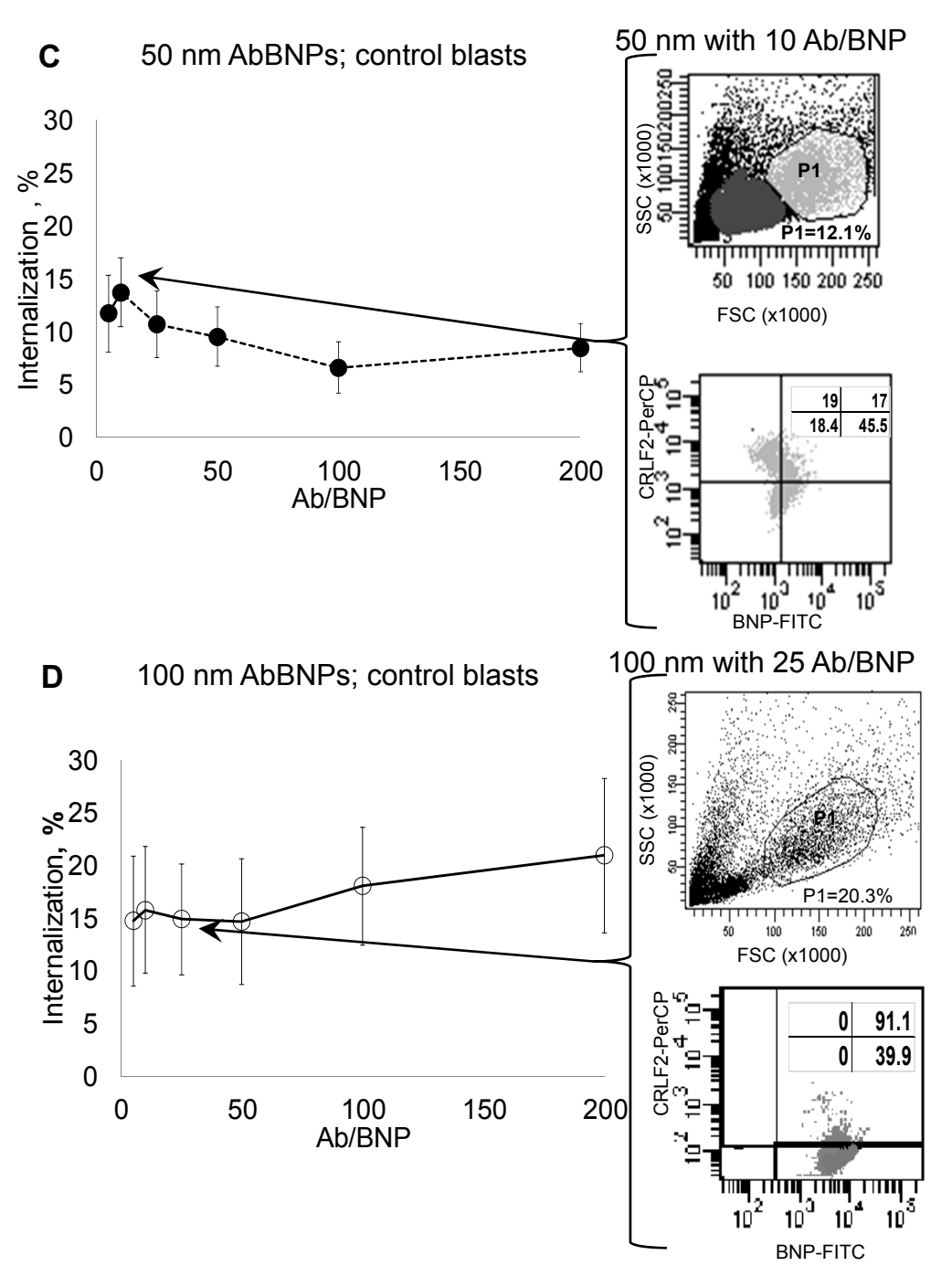
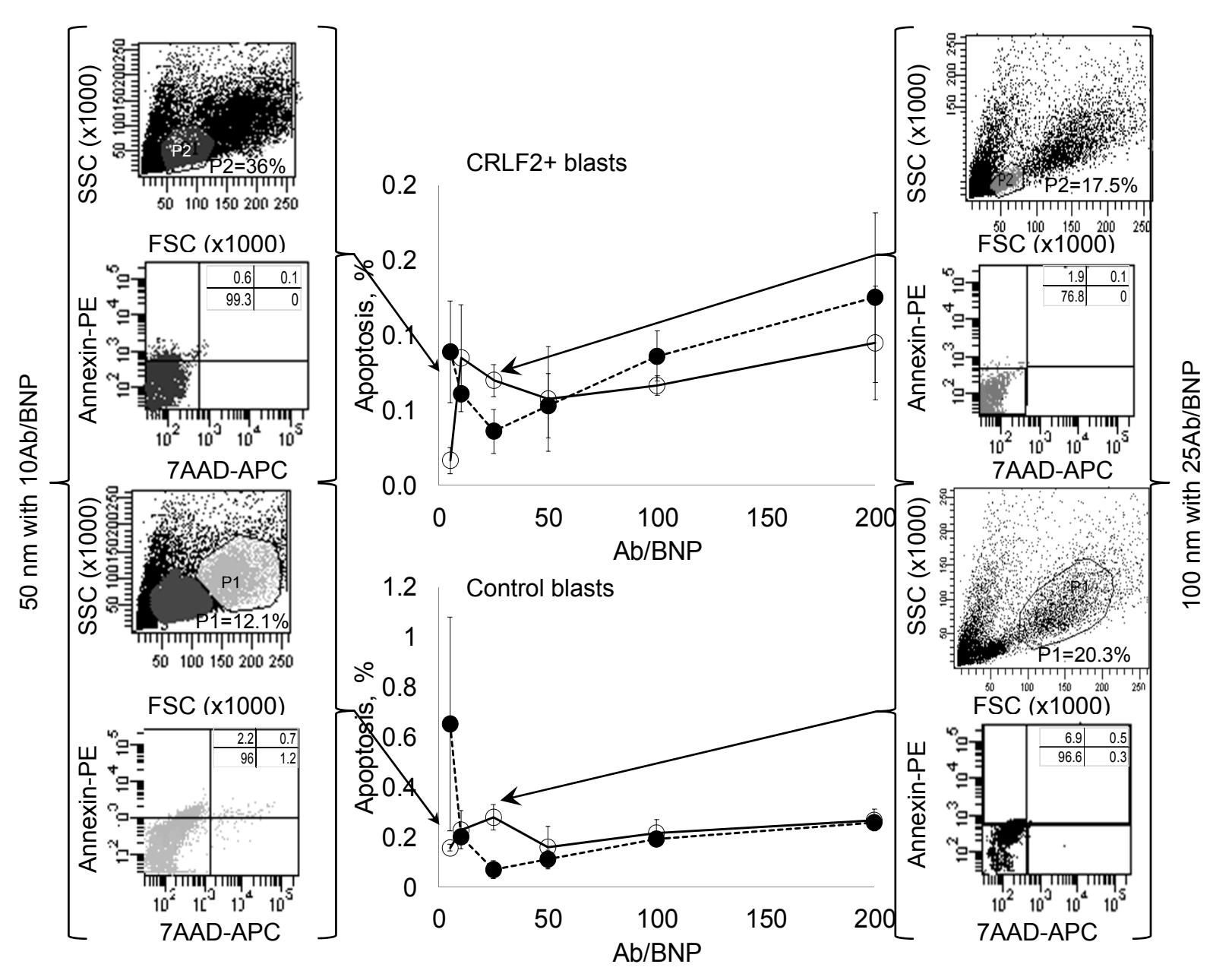

A
50 nm AbBNP with 10 Ab/BNP
20 nm
B
50 nm AbBNP with 100 Ab/BNP
20 nm

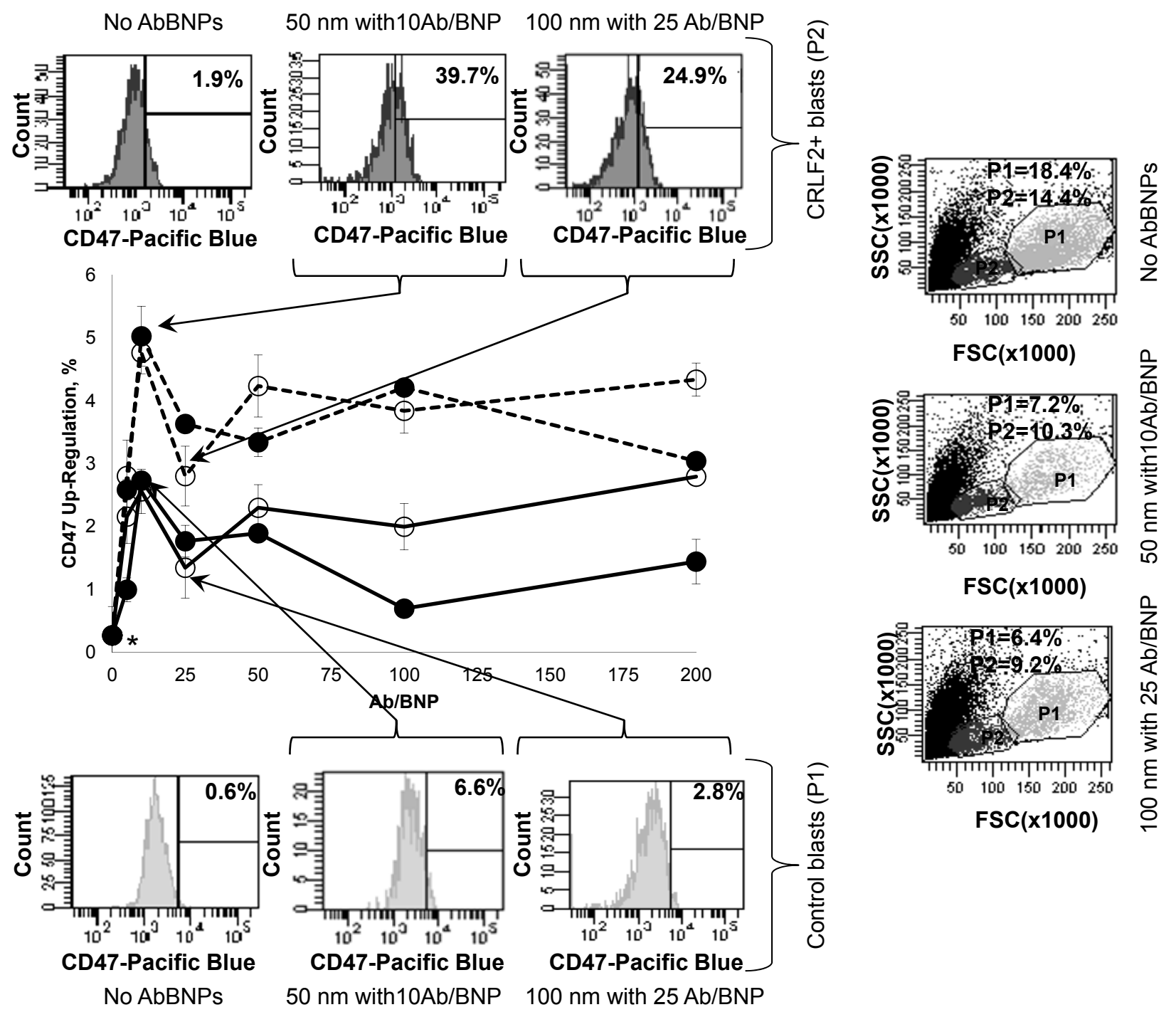

A
B
C
D
E
F
G
H


A
SSC (x1000)
FSC (x1000)
P1
P2
P1=17.1%
P2=12.1%
CRLF2+ blasts (P2)
Control blasts (P1)
B
CRLF2
93.1%
13.8%
C
CD19
90.2%
88.4%
D
CD47
68.5%
31.2%
Count
CRLF2-PerCP
CD19-APC-Cy7
CD47-Pacific Blue

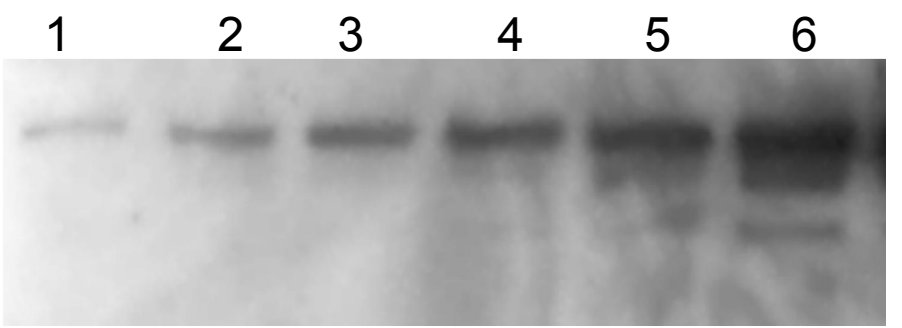

50 nm AbBNPs; CRLF2+ blasts
50 nm with 10 Ab/BNP
A
Internalization, %
Ab/BNP
SSC (x1000)
P2
P2=36%
FSC (x1000)
CRLF2-PerCP
72.2
13.4
6.6
7.7
BNP-FITC
100 nm AbBNPs; CRLF2+ blasts
100 nm with 25 Ab/BNP
B
Internalization, %
Ab/BNP
SSC (x1000)
P2
P2=17.5%
FSC (x1000)
CRLF2-PerCP
0
26.2
0
83.7
BNP-FITC


C
50 nm AbBNPs; control blasts
Internalization , %
Ab/BNP
50 nm with 10 Ab/BNP
SSC (x1000)
P1
P1=12.1%
FSC (x1000)
CRLF2-PerCP
BNP-FITC
19
17
18.4
45.5
D
100 nm AbBNPs; control blasts
Internalization, %
Ab/BNP
100 nm with 25 Ab/BNP
SSC (x1000)
P1
P1=20.3%
FSC (x1000)
CRLF2-PerCP
BNP-FITC
0
91.1
0
39.9

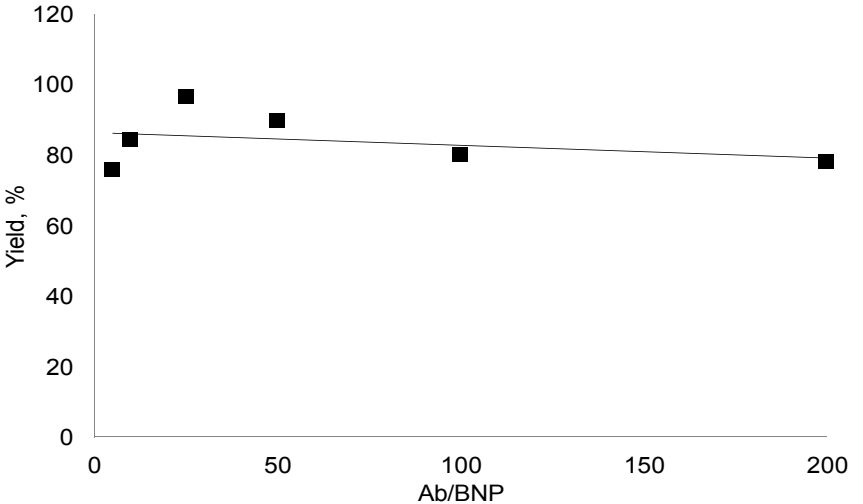

50 nm with 10Ab/BNP
100 nm with 25Ab/BNP
SSC (x1000)
FSC (x1000)
P2
P2=36%
P2=17.5%
Annexin-PE
7AAD-APC
0.6
0.1
99.3
0
1.9
0.1
76.8
0
CRLF2+ blasts
Apoptosis, %
Ab/BNP
0.0
0.1
0.2
0
50
100
150
200
P1
P1=12.1%
P1=20.3%
2.2
0.7
96
1.2
6.9
0.5
96.6
0.3
Control blasts
0
0.2
0.4
0.6
0.8
1
1.2

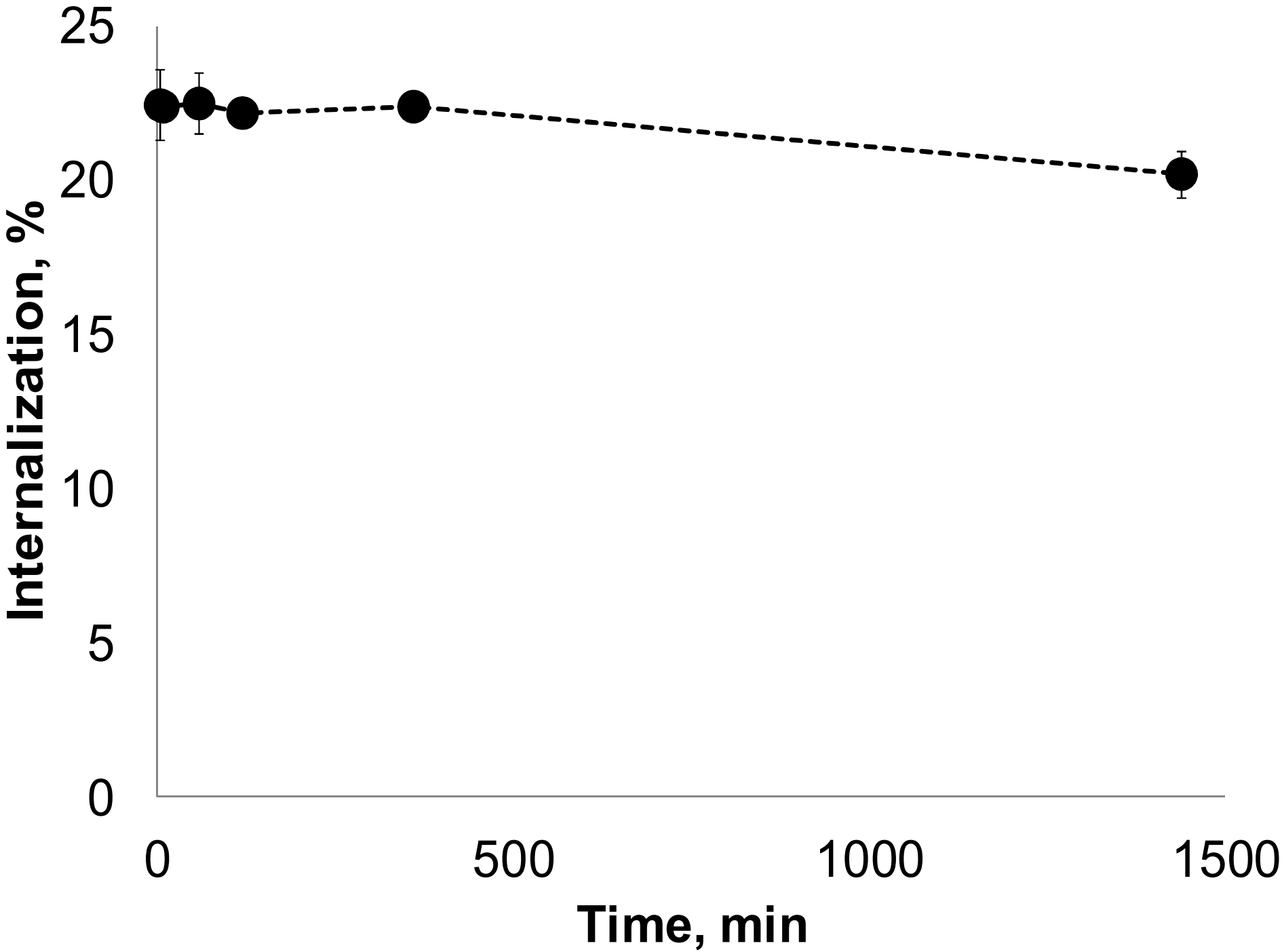

No AbBNPs
50 nm with10Ab/BNP
100 nm with 25 Ab/BNP
1.9%
39.7%
24.9%
Count
CD47-Pacific Blue
CRLF2+ blasts (P2)
CD47 Up-Regulation, %
Ab/BNP
*
0.6%
6.6%
2.8%
Control blasts (P1)
P1=18.4%
P2=14.4%
P1=7.2%
P2=10.3%
P1=6.4%
P2=9.2%
SSC(x1000)
FSC(x1000)
P1
P2
No AbBNPs
50 nm with10Ab/BNP
100 nm with 25 Ab/BNP

A



B




25
20
15
10
5
0
Internalization, %
0
500
1000
1500
Time, min