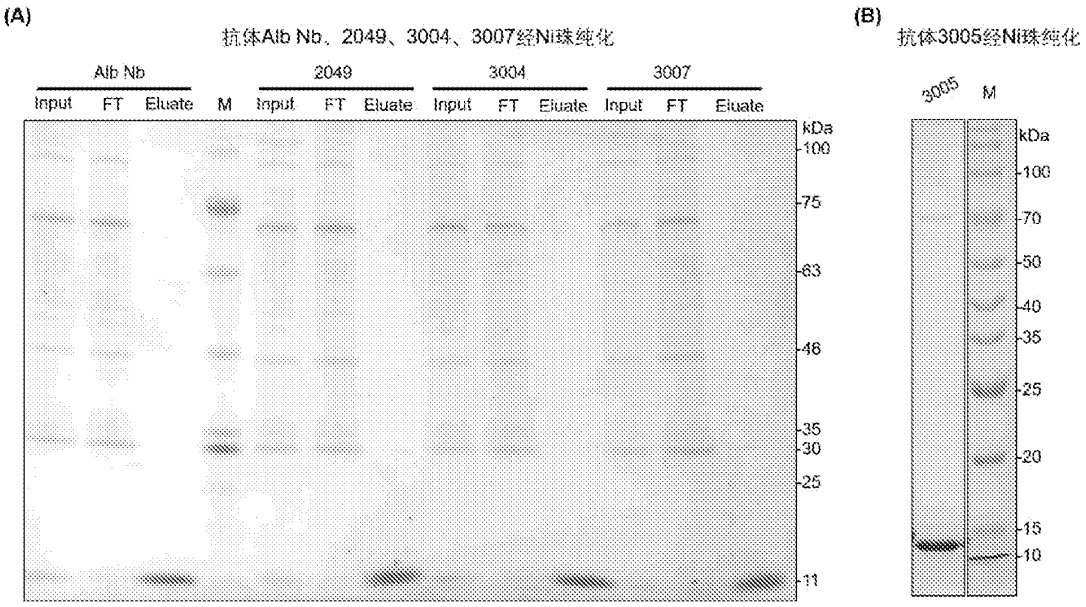

(A)
抗体Alb Nb、2049、3004、3007经Ni珠纯化
Alb Nb
2049
3004
3007
Input
FT
Eluate
M
kDa
100
75
63
48
35
30
25
11
(B)
抗体3005经Ni珠纯化
3005
M
kDa
100
70
50
40
35
25
20
15
10

图 1

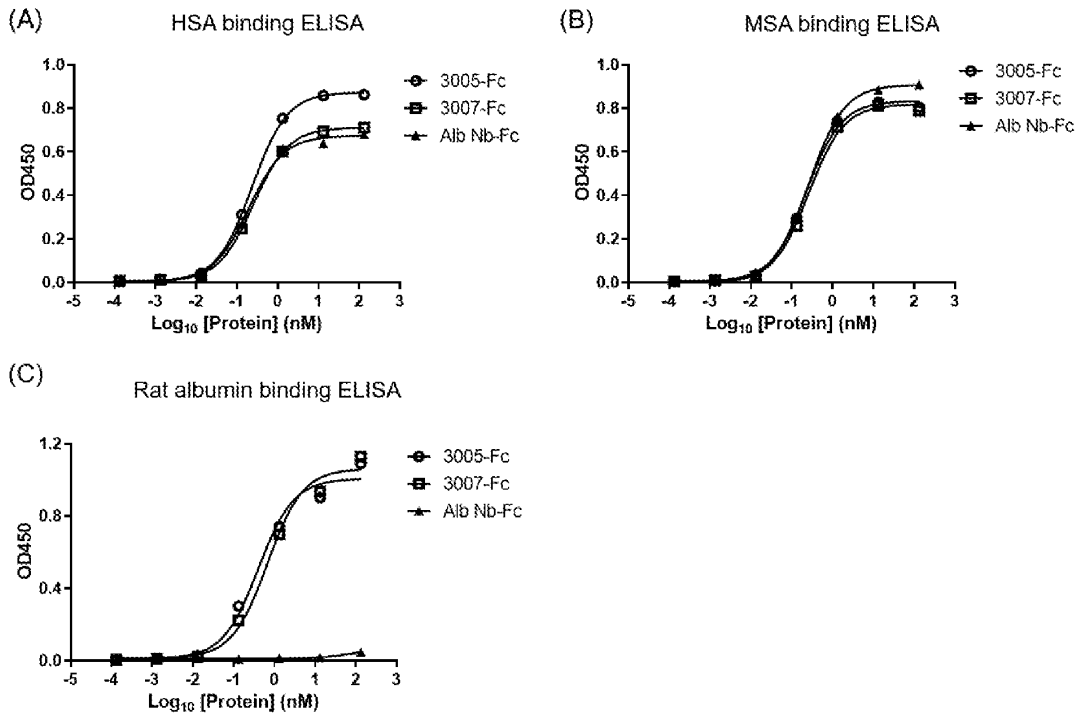

(A)
HSA binding ELISA
OD450
Log10 [Protein] (nM)
3005-Fc
3007-Fc
Alb Nb-Fc
(B)
MSA binding ELISA
OD450
Log10 [Protein] (nM)
3005-Fc
3007-Fc
Alb Nb-Fc
(C)
Rat albumin binding ELISA
OD450
Log10 [Protein] (nM)
3005-Fc
3007-Fc
Alb Nb-Fc

图 2

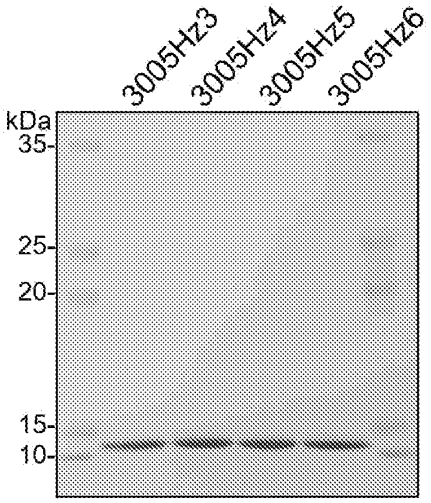

3005Hz3
3005Hz4
3005Hz5
3005Hz6
kDa
35
25
20
15
10

图 3

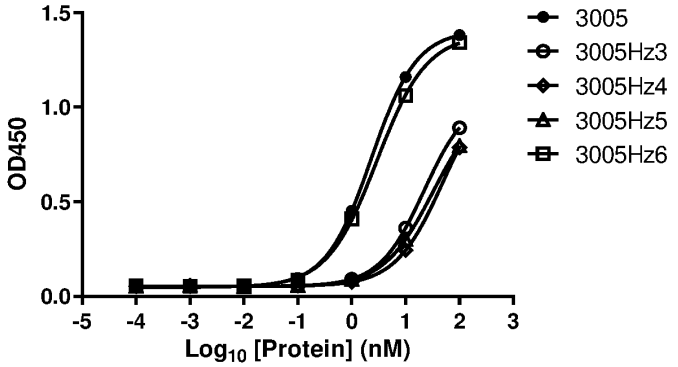

OD450
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [Protein] (nM)
3005
3005Hz3
3005Hz4
3005Hz5
3005Hz6

图 4

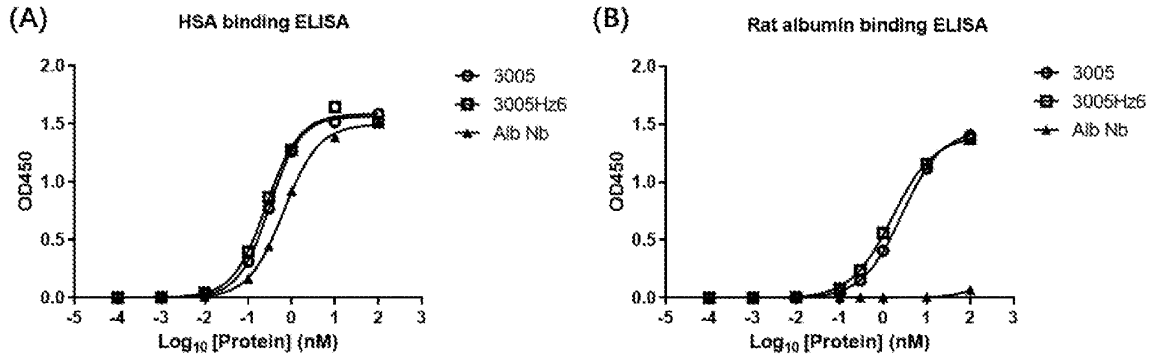

(A)
HSA binding ELISA
OD450
2.0
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [Protein] (nM)
3005
3005Hz6
Alb Nb
(B)
Rat albumin binding ELISA
OD450
2.0
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [Protein] (nM)
3005
3005Hz6
Alb Nb

图 5

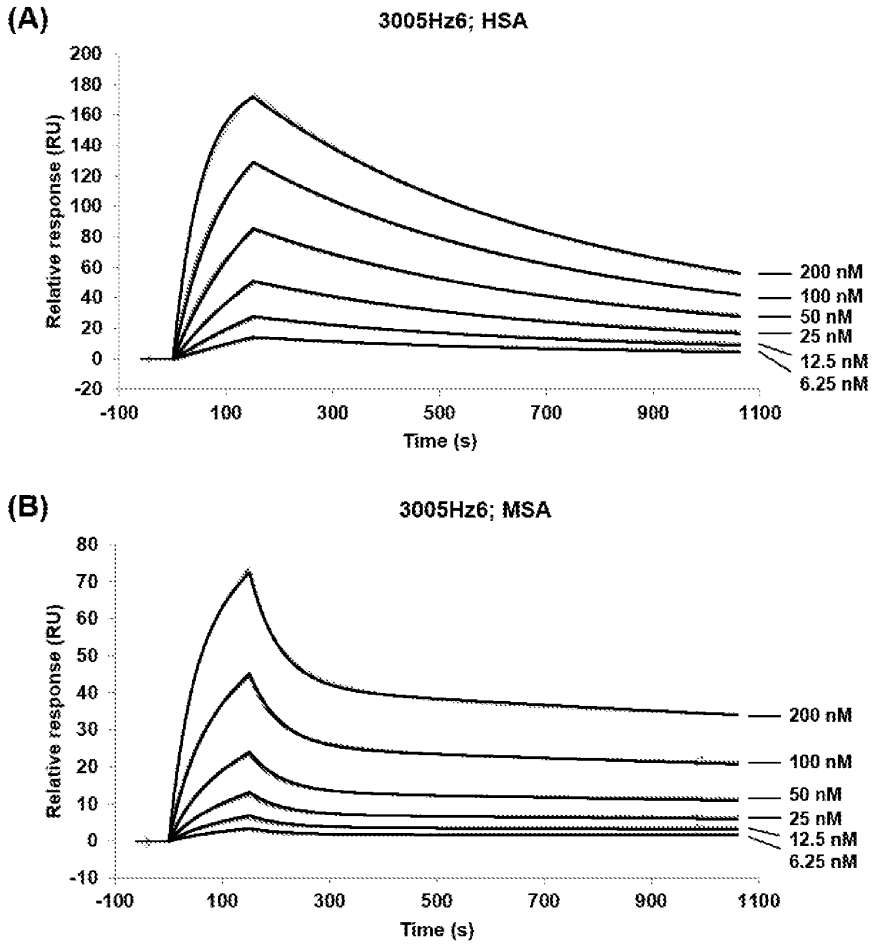

(A)
3005Hz6; HSA
Relative response (RU)
Time (s)
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM
(B)
3005Hz6; MSA
Relative response (RU)
Time (s)
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM

图 6

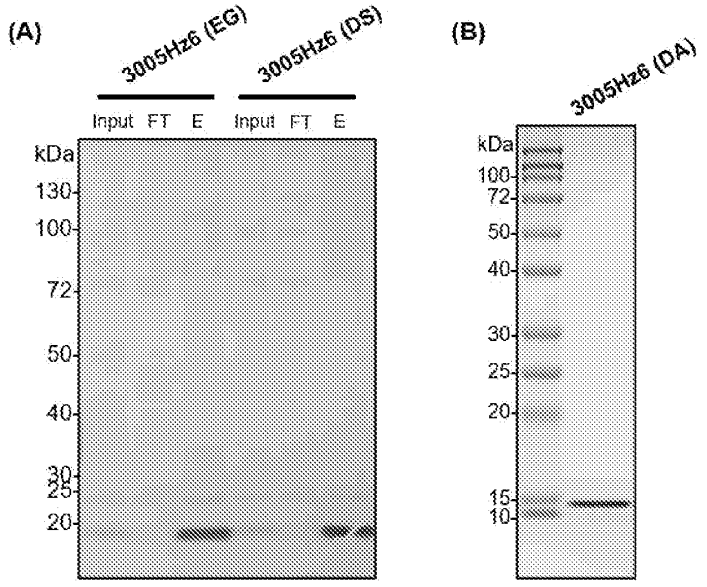

(A)
3005Hz6 (EG)
3005Hz6 (DS)
Input FT E Input FT E
kDa
130
100
72
50
40
30
25
20
(B)
3005Hz6 (DA)
kDa
100
72
50
40
30
25
20
15
10

图 7

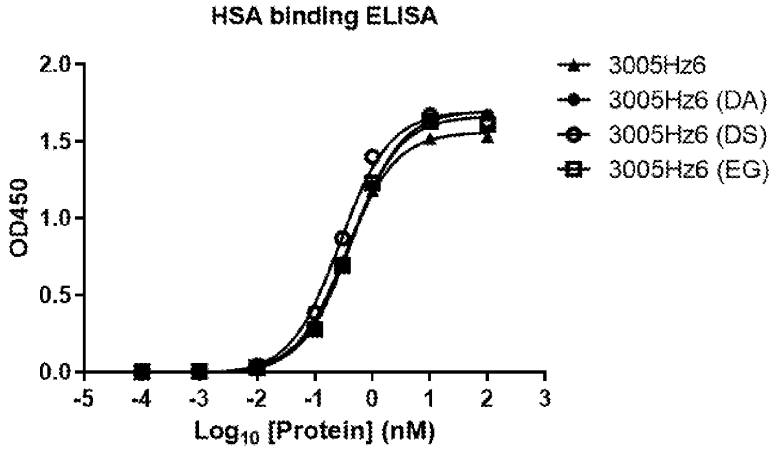

HSA binding ELISA
OD450
Log10 [Protein] (nM)
3005Hz6
3005Hz6 (DA)
3005Hz6 (DS)
3005Hz6 (EG)

图 8

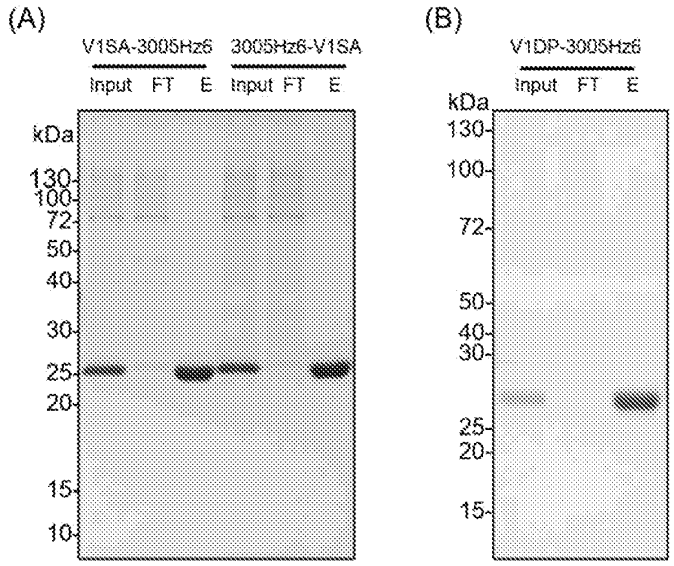

(A)
V1SA-3005Hz6
3005Hz6-V1SA
Input FT E Input FT E
kDa
130
100
72
50
40
30
25
20
15
10
(B)
V1DP-3005Hz6
Input FT E
kDa
130
100
72
50
40
30
25
20
15

图 9

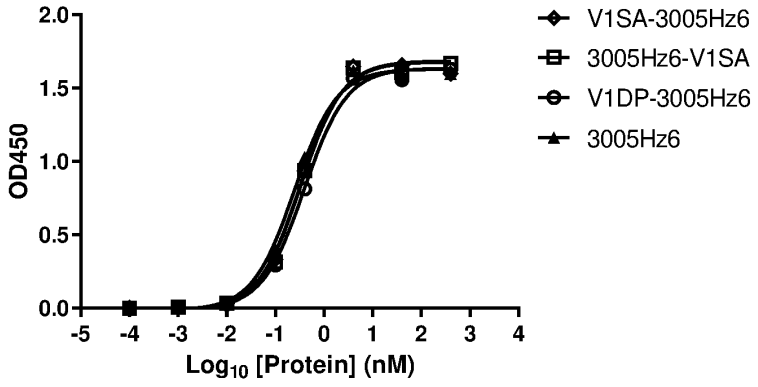

OD450
Log10 [Protein] (nM)
V1SA-3005Hz6
3005Hz6-V1SA
V1DP-3005Hz6
3005Hz6

图 10

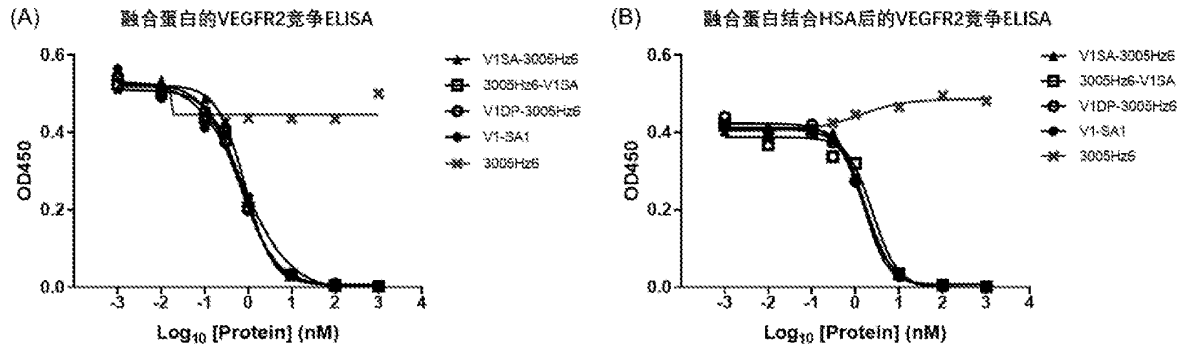

(A)
融合蛋白的VEGFR2竞争ELISA
OD450
Log10 [Protein] (nM)
V1SA-3005Hz6
3005Hz6-V1SA
V1DP-3005Hz6
V1-SA1
3005Hz6
(B)
融合蛋白结合HSA后的VEGFR2竞争ELISA
OD450
Log10 [Protein] (nM)
V1SA-3005Hz6
3005Hz6-V1SA
V1DP-3005Hz6
V1-SA1
3005Hz6

图 11

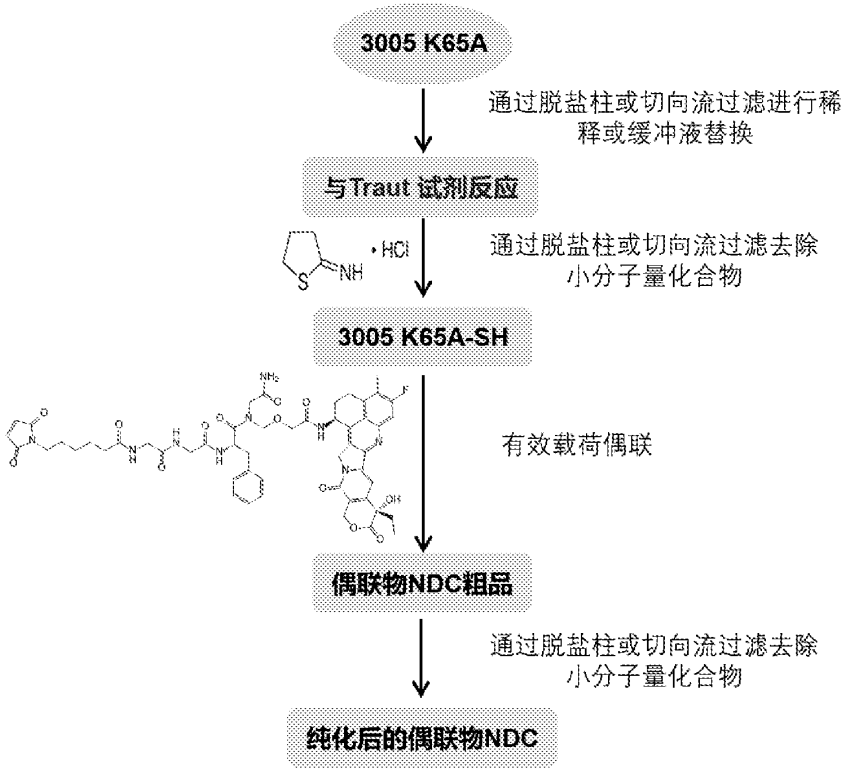

3005 K65A
通过脱盐柱或切向流过滤进行稀释或缓冲液替换
与Traut 试剂反应
·HCl
NH
通过脱盐柱或切向流过滤去除小分子量化合物
3005 K65A-SH
有效载荷偶联
偶联物NDC粗品
通过脱盐柱或切向流过滤去除小分子量化合物
纯化后的偶联物NDC

图 12

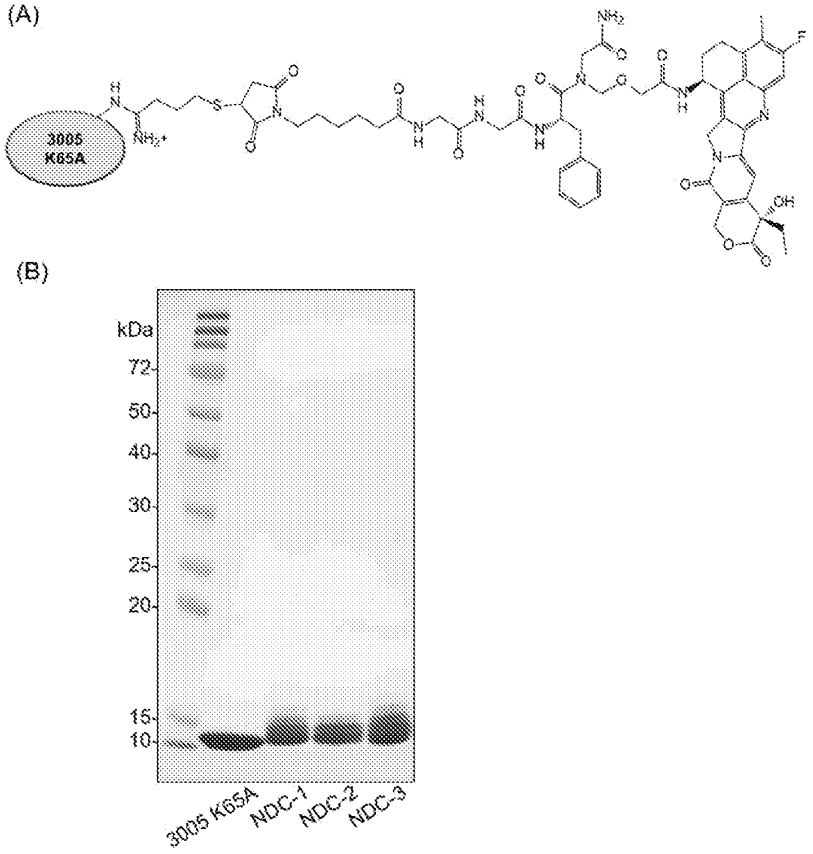
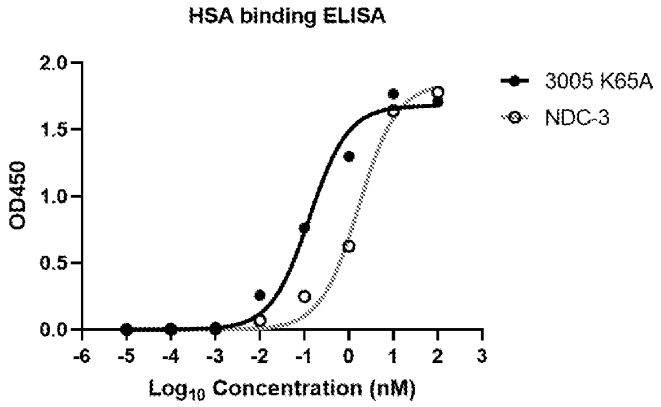


图 13

(A)


HSA binding ELISA
OD450
2.0
1.5
1.0
0.5
0.0
-6 -5 -4 -3 -2 -1 0 1 2 3
Log10 Concentration (nM)
3005 K65A
NDC-3

(B)

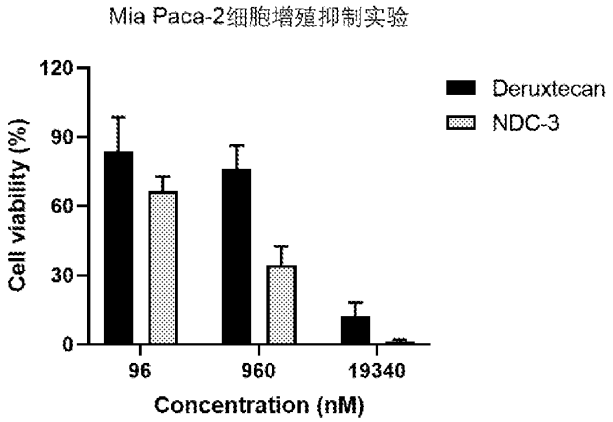

Mia Paca-2细胞增殖抑制实验
Cell viability (%)
120
90
60
30
0
96
960
19340
Concentration (nM)
Deruxtecan
NDC-3

图 14

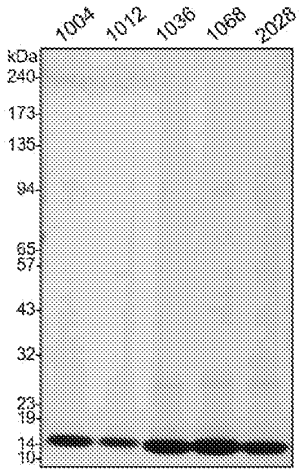
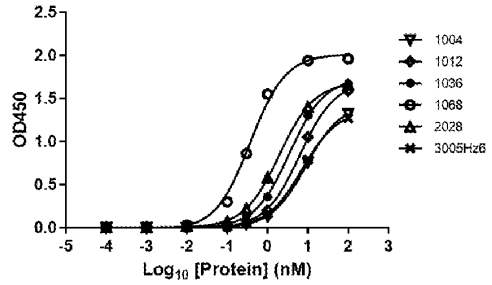

1004
1012
1036
1068
2028
kDa
240
173
135
94
65
57
43
32
23
19
14
10

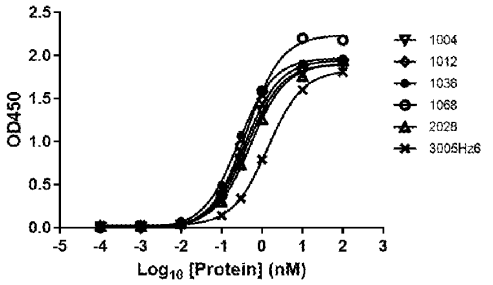
图 15

(A)



Protein	1004	1012	1036	1068	2028	3005Hz6
Max OD450	1.44	1.70	1.74	2.01	1.69	1.36
EC50 (nM)	8.98	6.33	3.53	0.38	1.96	7.26

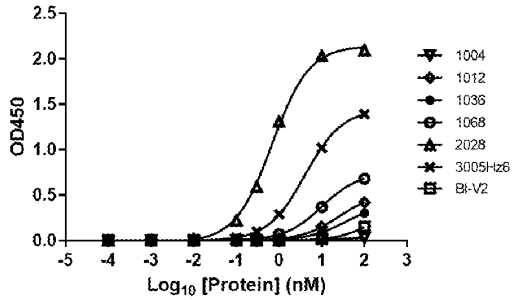
(B)



Protein	1004	1012	1036	1068	2028	3005Hz6
Max OD450	1.90	1.95	1.97	2.24	1.91	1.83
EC50 (nM)	0.42	0.38	0.26	0.42	0.52	1.38

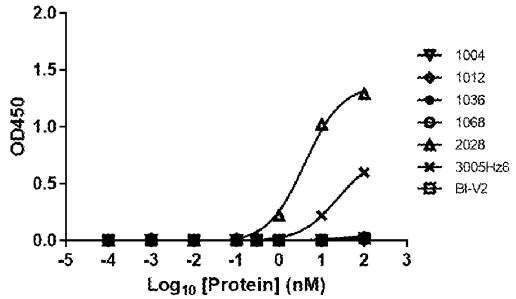
图 16

(A)



Protein	1004	1012	1036	1068	2028	3005Hz6	BI-V2
Max OD450	0.09	0.47	0.36	0.73	2.15	1.45	0.21
EC50 (nM)	/	/	/	10.22	0.69	4.08	/

(B)



Protein	1004	1012	1036	1068	2028	3005Hz6	BI-V2
Max OD450	0.09	0.03	0.04	0.02	1.29	0.60	0.02
EC50 (nM)	/	/	/	/	4.01	23.81	/

图 17

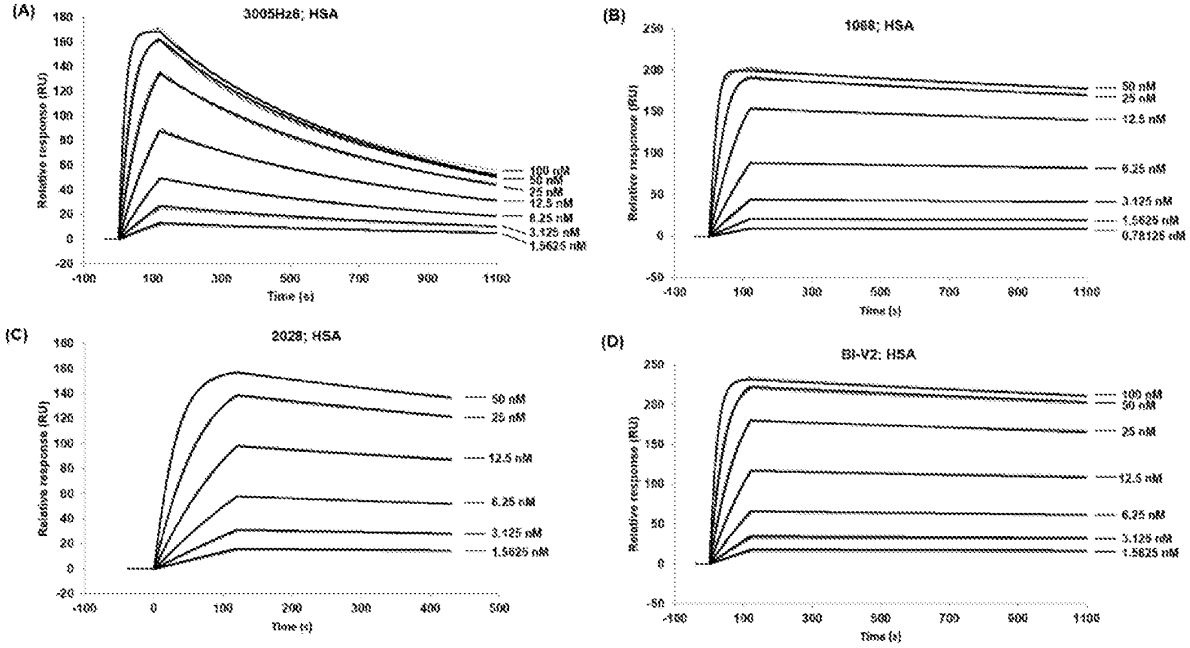

(A)
3005H28; HSA
Relative response (RU)
Time (s)
100 nM
50 nM
25 nM
12.5 nM
6.25 nM
3.125 nM
1.5625 nM
(B)
1088; HSA
Relative response (RU)
Time (s)
50 nM
25 nM
12.5 nM
6.25 nM
3.125 nM
1.5625 nM
0.78125 nM
(C)
2028; HSA
Relative response (RU)
Time (s)
50 nM
25 nM
12.5 nM
6.25 nM
3.125 nM
1.5625 nM
(D)
BI-V2; HSA
Relative response (RU)
Time (s)
100 nM
50 nM
25 nM
12.5 nM
6.25 nM
3.125 nM
1.5625 nM

图 18