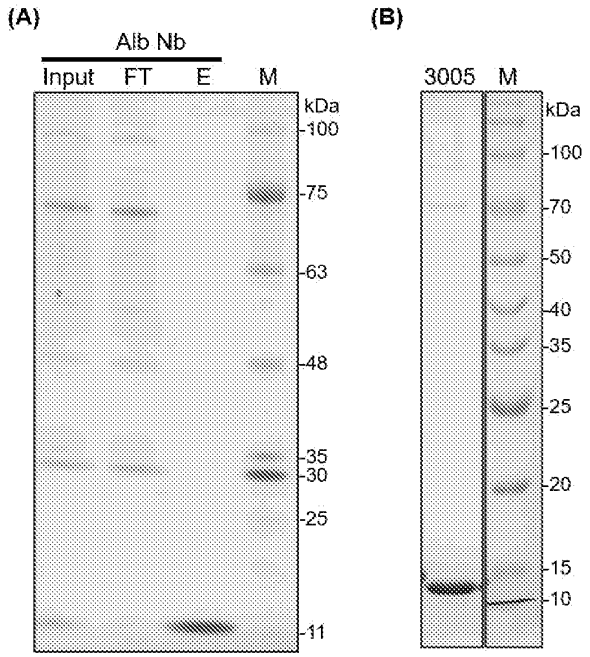

(A)
Alb Nb
Input
FT
E
M
kDa
100
75
63
48
35
30
25
11
(B)
3005
M
kDa
100
70
50
40
35
25
20
15
10

图 1

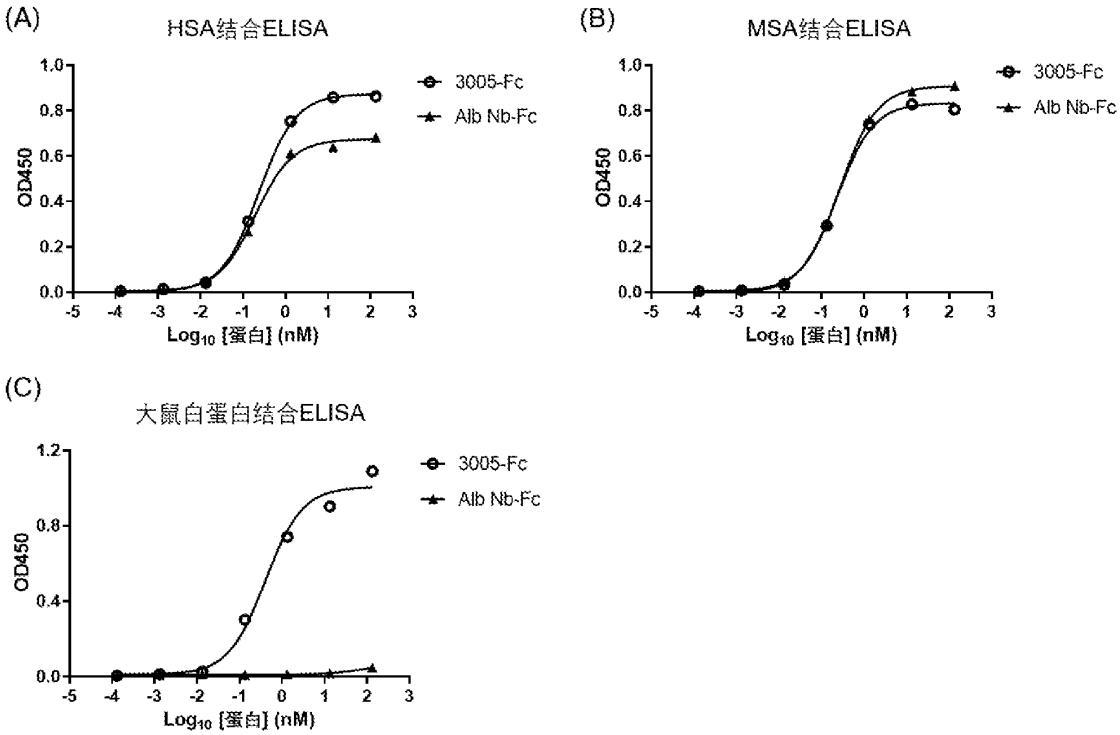

(A)
HSA结合ELISA
OD450
Log10 [蛋白] (nM)
3005-Fc
Alb Nb-Fc
(B)
MSA结合ELISA
OD450
Log10 [蛋白] (nM)
3005-Fc
Alb Nb-Fc
(C)
大鼠白蛋白结合ELISA
OD450
Log10 [蛋白] (nM)
3005-Fc
Alb Nb-Fc

图 2

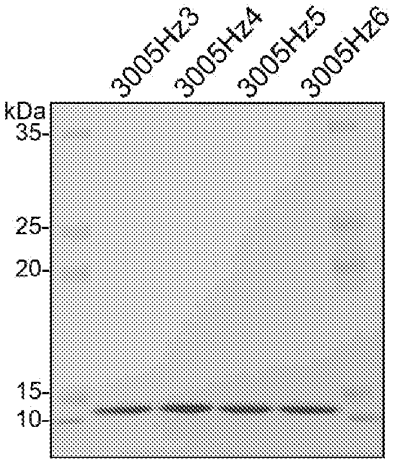

3005Hz3
3005Hz4
3005Hz5
3005Hz6
kDa
35
25
20
15
10

图 3

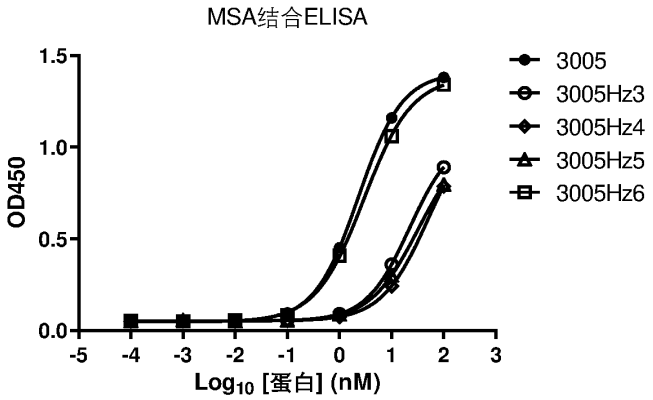

MSA结合ELISA
OD450
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [蛋白] (nM)
3005
3005Hz3
3005Hz4
3005Hz5
3005Hz6

图 4

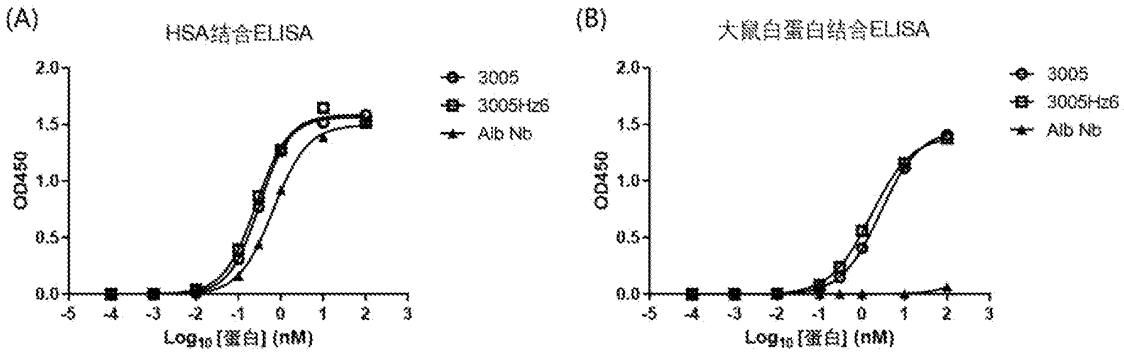

(A)
HSA结合ELISA
OD450
2.0
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [蛋白] (nM)
3005
3005Hz6
Alb Nb
(B)
大鼠白蛋白结合ELISA
OD450
2.0
1.5
1.0
0.5
0.0
-5 -4 -3 -2 -1 0 1 2 3
Log10 [蛋白] (nM)
3005
3005Hz6
Alb Nb

图 5

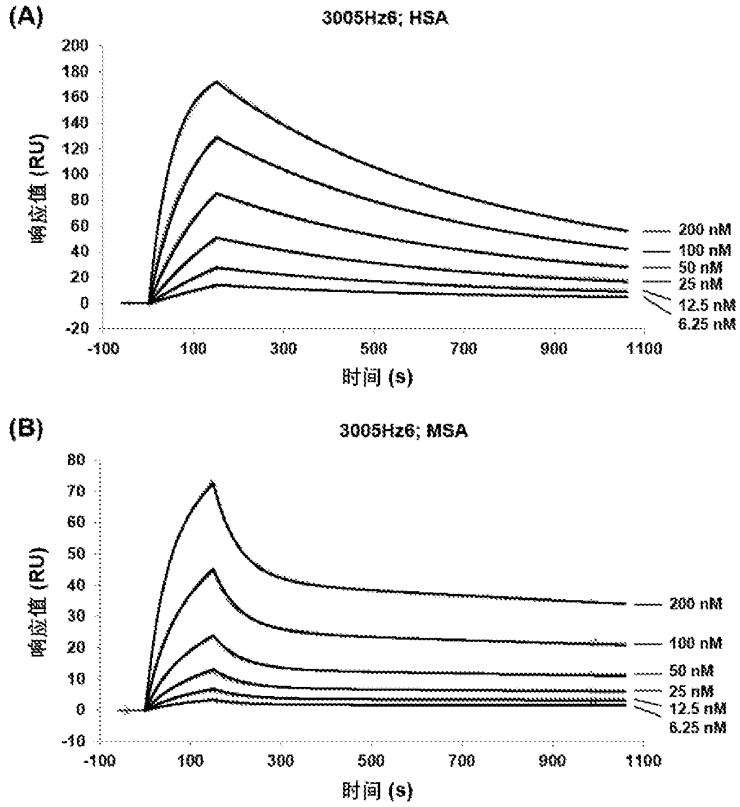

(A)
3005Hz6; HSA
响应值 (RU)
时间 (s)
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM
(B)
3005Hz6; MSA
响应值 (RU)
时间 (s)
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM

图 6

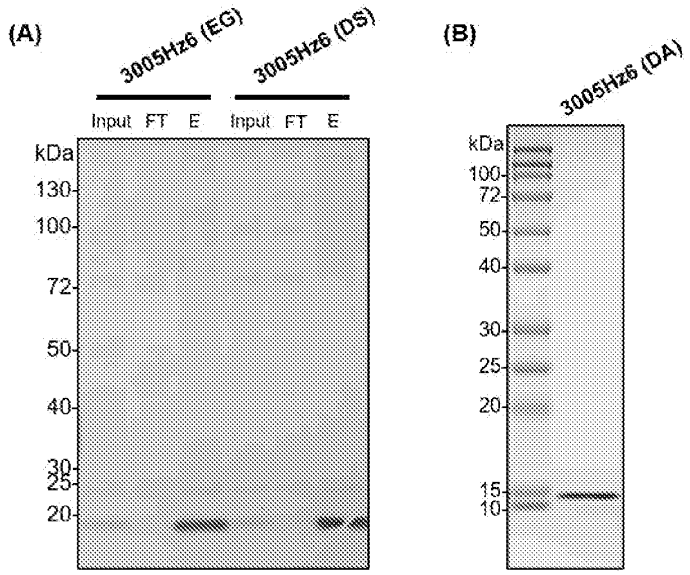

(A)
3005Hz6 (EG)
3005Hz6 (DS)
Input FT E Input FT E
kDa
130
100
72
50
40
30
25
20
(B)
3005Hz6 (DA)
kDa
100
72
50
40
30
25
20
15
10

图 7

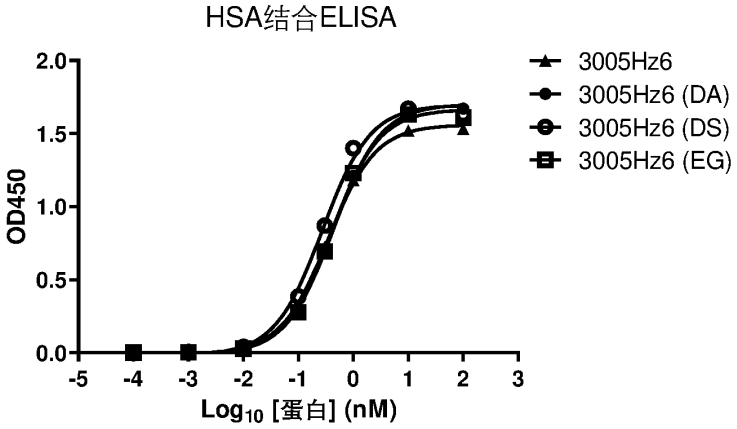

HSA结合ELISA
2.0
1.5
1.0
0.5
0.0
OD450
-5
-4
-3
-2
-1
0
1
2
3
Log10 [蛋白] (nM)
3005Hz6
3005Hz6 (DA)
3005Hz6 (DS)
3005Hz6 (EG)

图 8

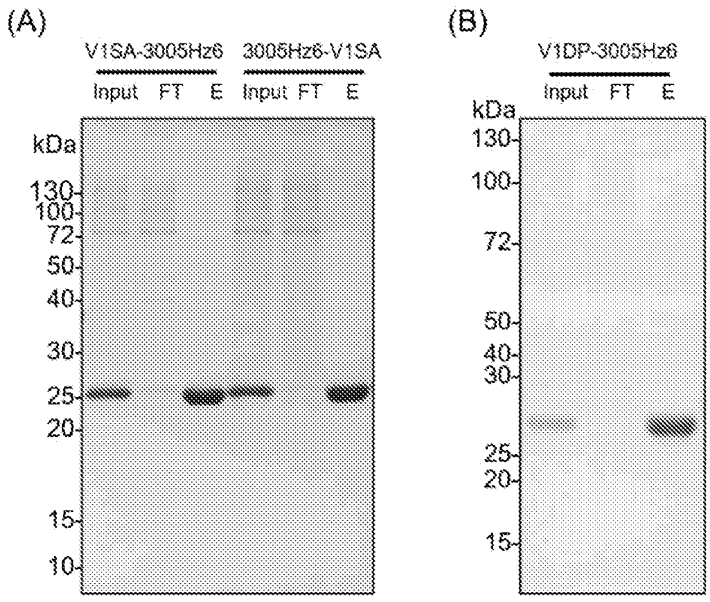

(A)
V1SA-3005Hz6
3005Hz6-V1SA
Input FT E Input FT E
kDa
130
100
72
50
40
30
25
20
15
10
(B)
V1DP-3005Hz6
Input FT E
kDa
130
100
72
50
40
30
25
20
15

图 9

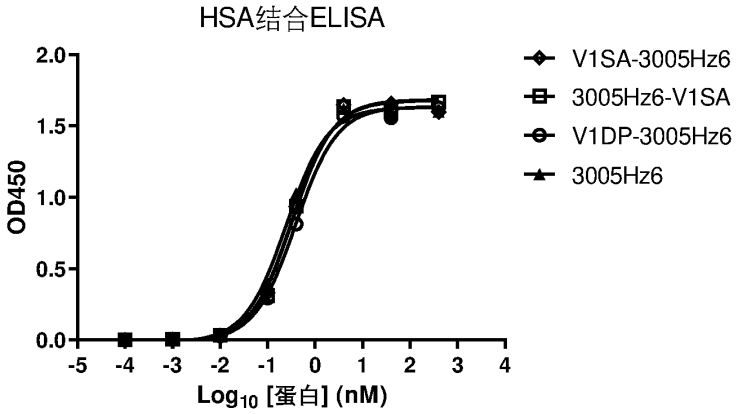

HSA结合ELISA
OD450
Log10 [蛋白] (nM)
V1SA-3005Hz6
3005Hz6-V1SA
V1DP-3005Hz6
3005Hz6

图 10

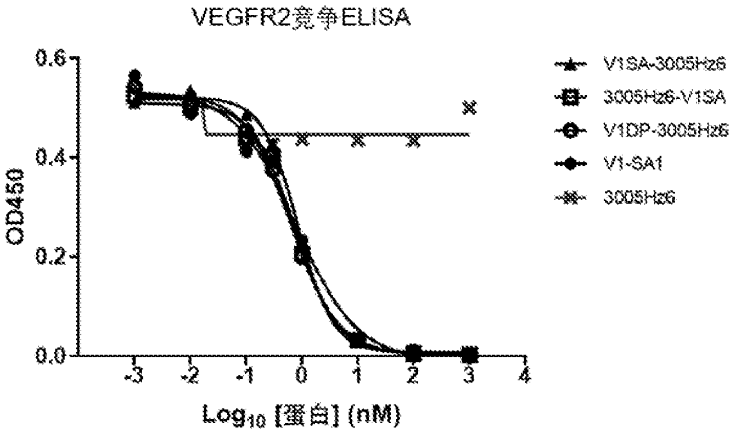

VEGFR2竞争ELISA
OD450
Log10 [蛋白] (nM)
V1SA-3005Hz6
3005Hz6-V1SA
V1DP-3005Hz6
V1-SA1
3005Hz6

图 11

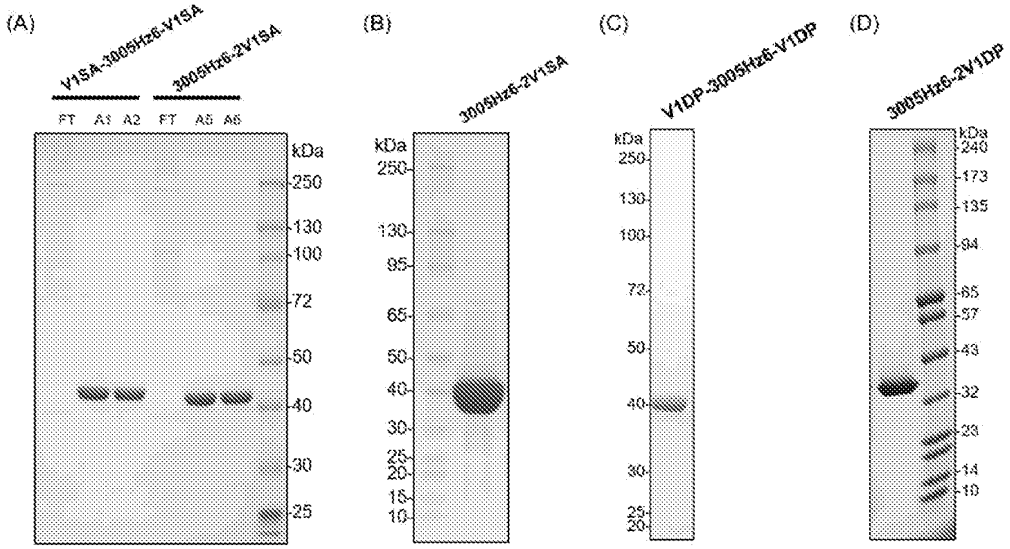

(A)
V1SA-3005Hz6-V1SA
3005Hz6-2V1SA
FT A1 A2 FT A5 A6
kDa
250
130
100
72
50
40
30
25
(B)
3005Hz6-2V1SA
(C)
V1DP-3005Hz6-V1DP
(D)
3005Hz6-2V1DP

图 12

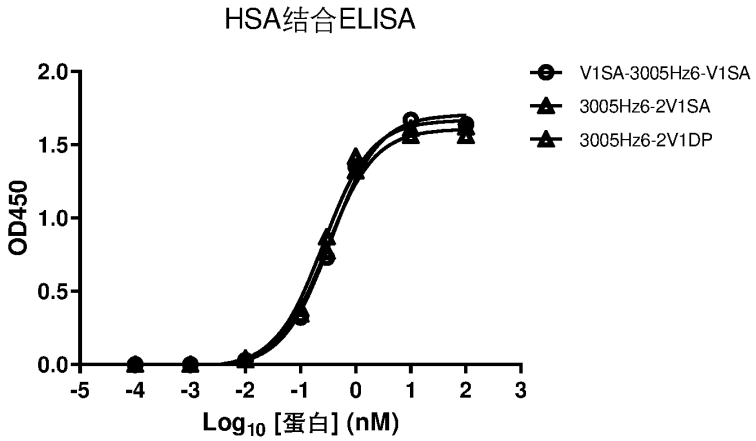

HSA结合ELISA
V1SA-3005Hz6-V1SA
3005Hz6-2V1SA
3005Hz6-2V1DP
OD450
2.0
1.5
1.0
0.5
0.0
-5
-4
-3
-2
-1
0
1
2
3
Log10 [蛋白] (nM)

图 13

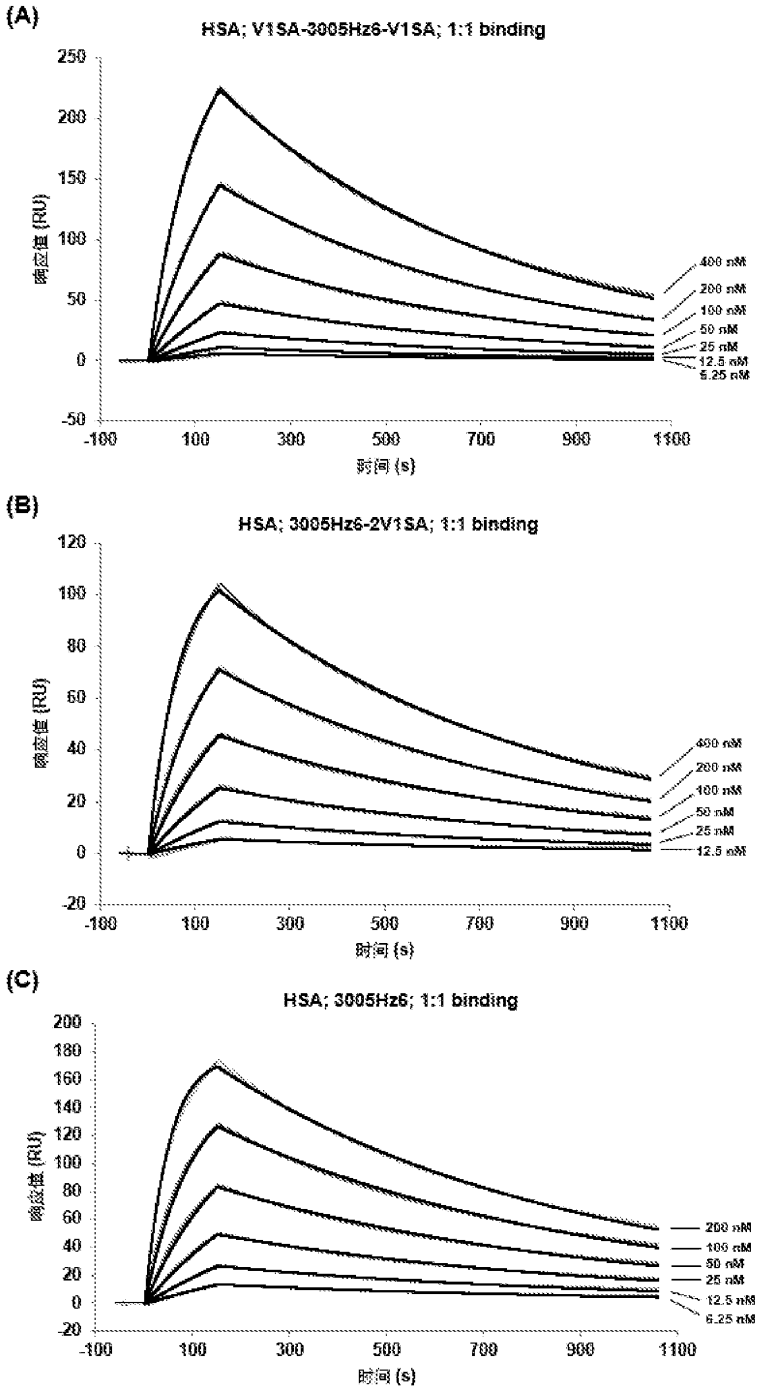

(A)
HSA; V1SA-3005Hz6-V1SA; 1:1 binding
响应值 (RU)
时间 (s)
400 nM
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM
(B)
HSA; 3005Hz6-2V1SA; 1:1 binding
响应值 (RU)
时间 (s)
400 nM
200 nM
100 nM
50 nM
25 nM
12.5 nM
(C)
HSA; 3005Hz6; 1:1 binding
响应值 (RU)
时间 (s)
200 nM
100 nM
50 nM
25 nM
12.5 nM
6.25 nM

图 14

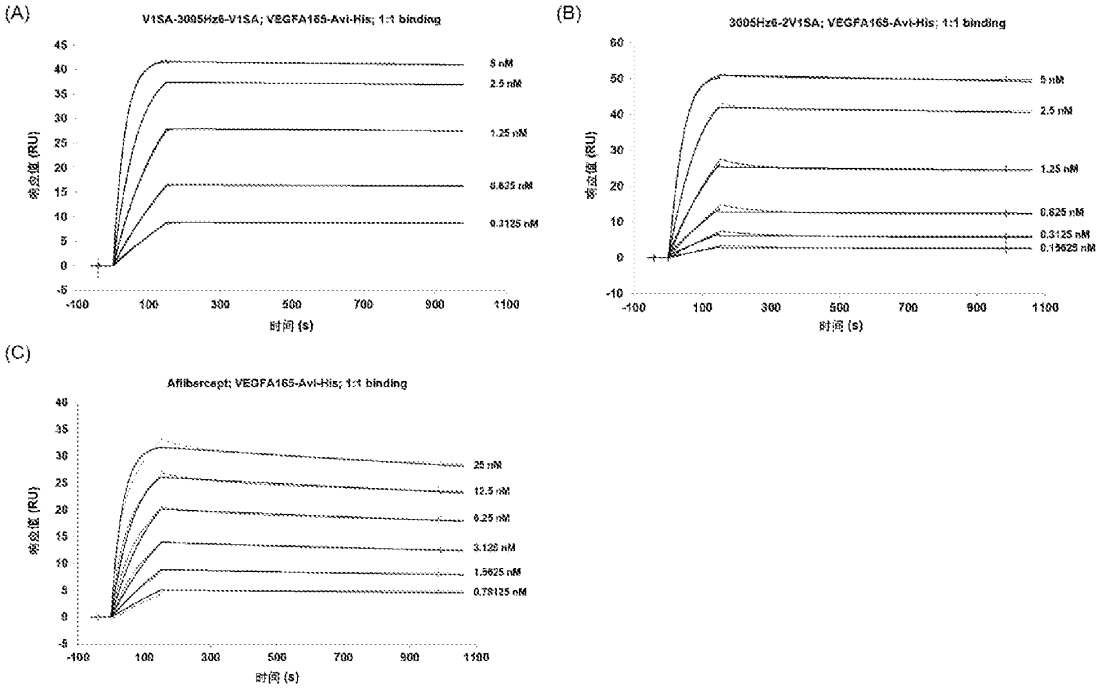

(A)
V1SA-3005Hz6-V1SA; VEGFA165-Avi-His; 1:1 binding
5 nM
2.5 nM
1.25 nM
0.625 nM
0.3125 nM
响应值 (RU)
时间 (s)
(B)
3005Hz6-2V1SA; VEGFA165-Avi-His; 1:1 binding
5 nM
2.5 nM
1.25 nM
0.625 nM
0.3125 nM
0.15625 nM
响应值 (RU)
时间 (s)
(C)
Aflibercept; VEGFA165-Avi-His; 1:1 binding
25 nM
12.5 nM
6.25 nM
3.125 nM
1.5625 nM
0.78125 nM
响应值 (RU)
时间 (s)

图 15

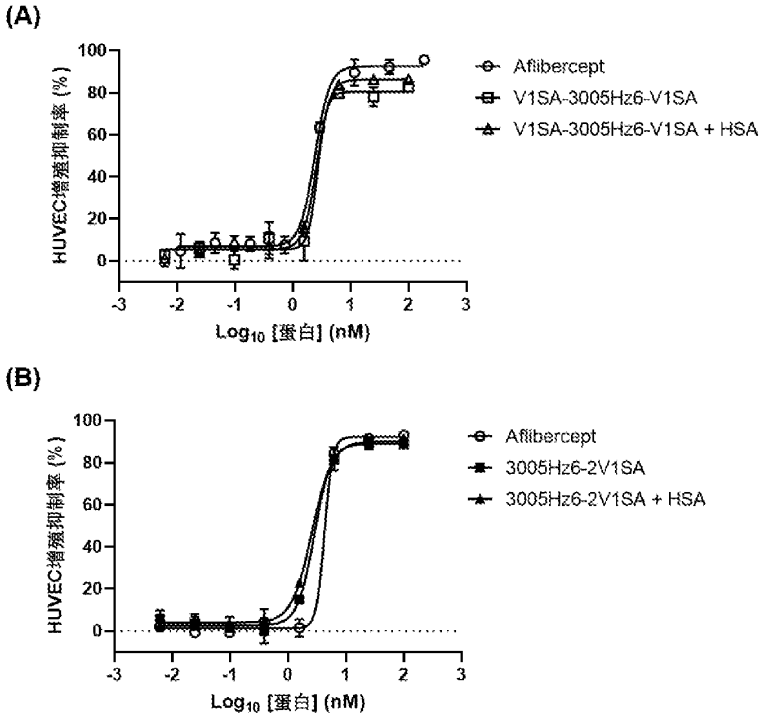

(A)
HUVEC增殖抑制率 (%)
Log10 [蛋白] (nM)
Aflibercept
V1SA-3005Hz6-V1SA
V1SA-3005Hz6-V1SA + HSA
(B)
HUVEC增殖抑制率 (%)
Log10 [蛋白] (nM)
Aflibercept
3005Hz6-2V1SA
3005Hz6-2V1SA + HSA

图 16

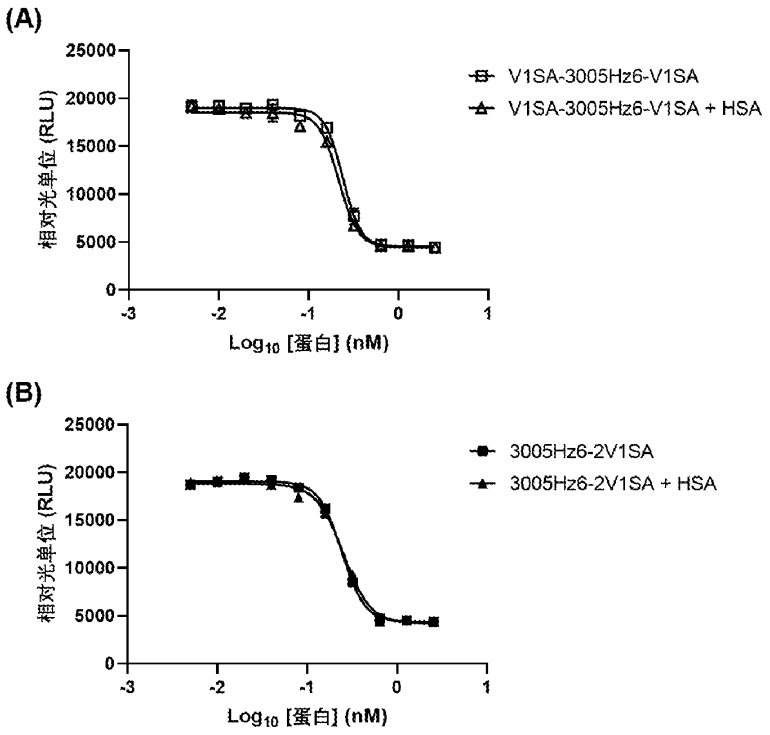

(A)
25000
20000
15000
10000
5000
0
相对光单位 (RLU)
-3
-2
-1
0
1
Log10 [蛋白] (nM)
V1SA-3005Hz6-V1SA
V1SA-3005Hz6-V1SA + HSA
(B)
25000
20000
15000
10000
5000
0
相对光单位 (RLU)
-3
-2
-1
0
1
Log10 [蛋白] (nM)
3005Hz6-2V1SA
3005Hz6-2V1SA + HSA

图 17