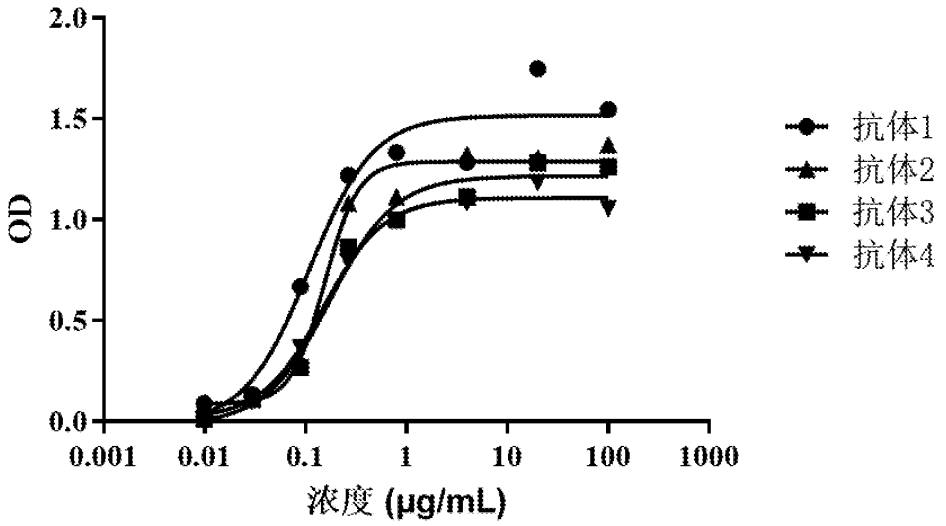

2.0
1.5
1.0
0.5
0.0
OD
0.001
0.01
0.1
1
10
100
1000
浓度 (μg/mL)
抗体1
抗体2
抗体3
抗体4

图 1

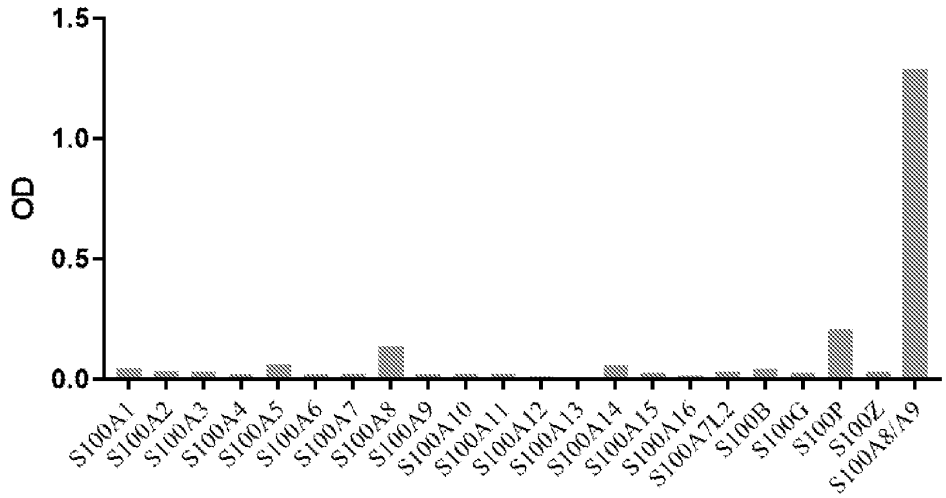

1.5
1.0
0.5
0.0
OD
S100A1
S100A2
S100A3
S100A4
S100A5
S100A6
S100A7
S100A8
S100A9
S100A10
S100A11
S100A12
S100A13
S100A14
S100A15
S100A16
S100A7L2
S100B
S100G
S100P
S100Z
S100A8/A9

图 2

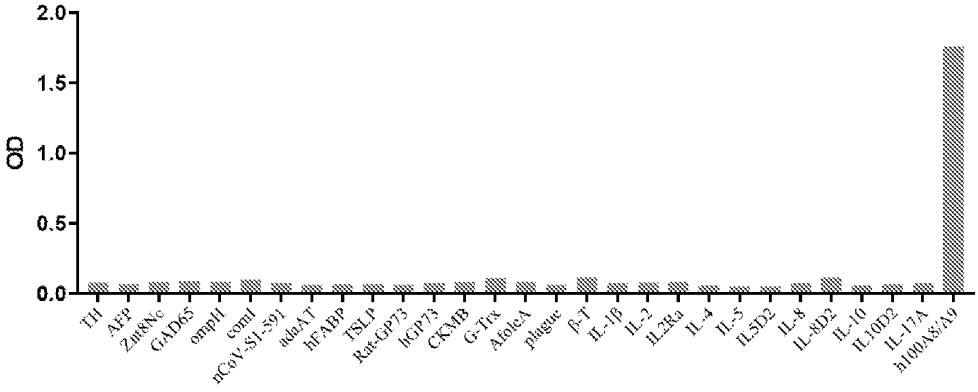

OD
2.0
1.5
1.0
0.5
0.0
TH
AFP
Zit8Nc
GAD65
ompH
comI
nCoV-S1-591
adaAT
hFABP
TSLP
Rat-GP73
hGP73
CKMB
G-Trx
AfolcA
plague
β-T
IL-1β
IL-2
IL2Rα
IL-4
IL-5
IL5D2
IL-8
IL-8D2
IL-10
IL10D2
IL-17A
hS100A8/A9

图 3

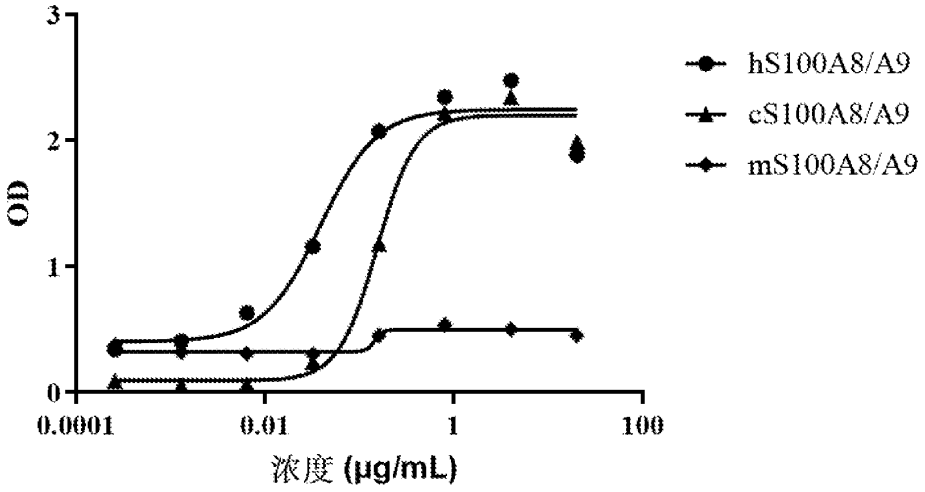

OD
3
2
1
0
0.0001
0.01
1
100
浓度 (μg/mL)
hS100A8/A9
cS100A8/A9
mS100A8/A9

图 4

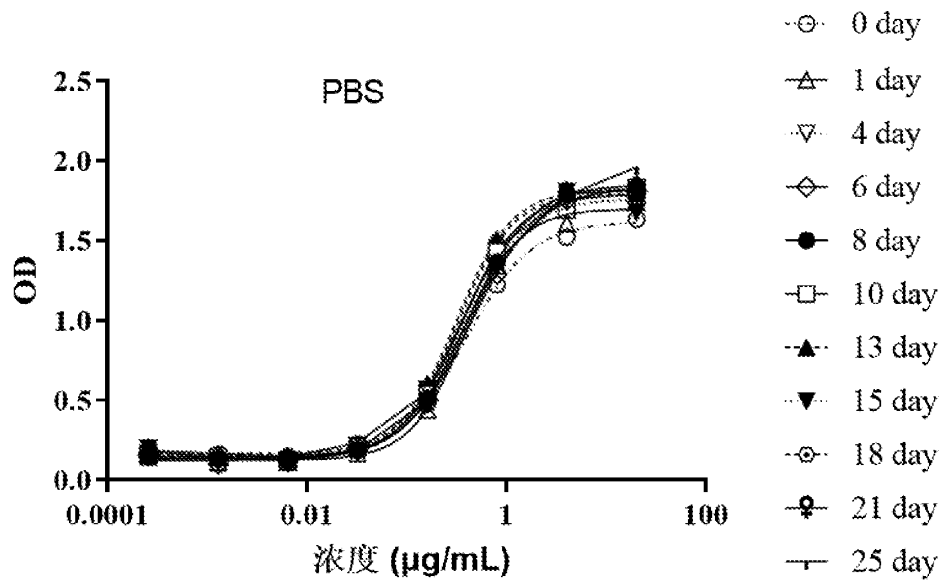

PBS
OD
2.5
2.0
1.5
1.0
0.5
0.0
0.0001
0.01
1
100
浓度 (μg/mL)
0 day
1 day
4 day
6 day
8 day
10 day
13 day
15 day
18 day
21 day
25 day

图 5A

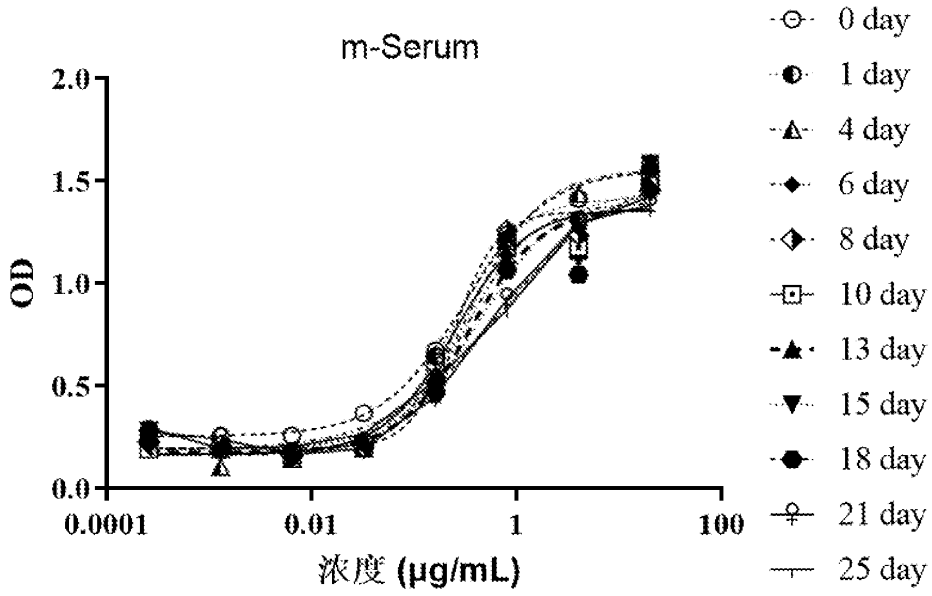

m-Serum
OD
2.0
1.5
1.0
0.5
0.0
0.0001
0.01
1
100
浓度 (μg/mL)
0 day
1 day
4 day
6 day
8 day
10 day
13 day
15 day
18 day
21 day
25 day

图 5B

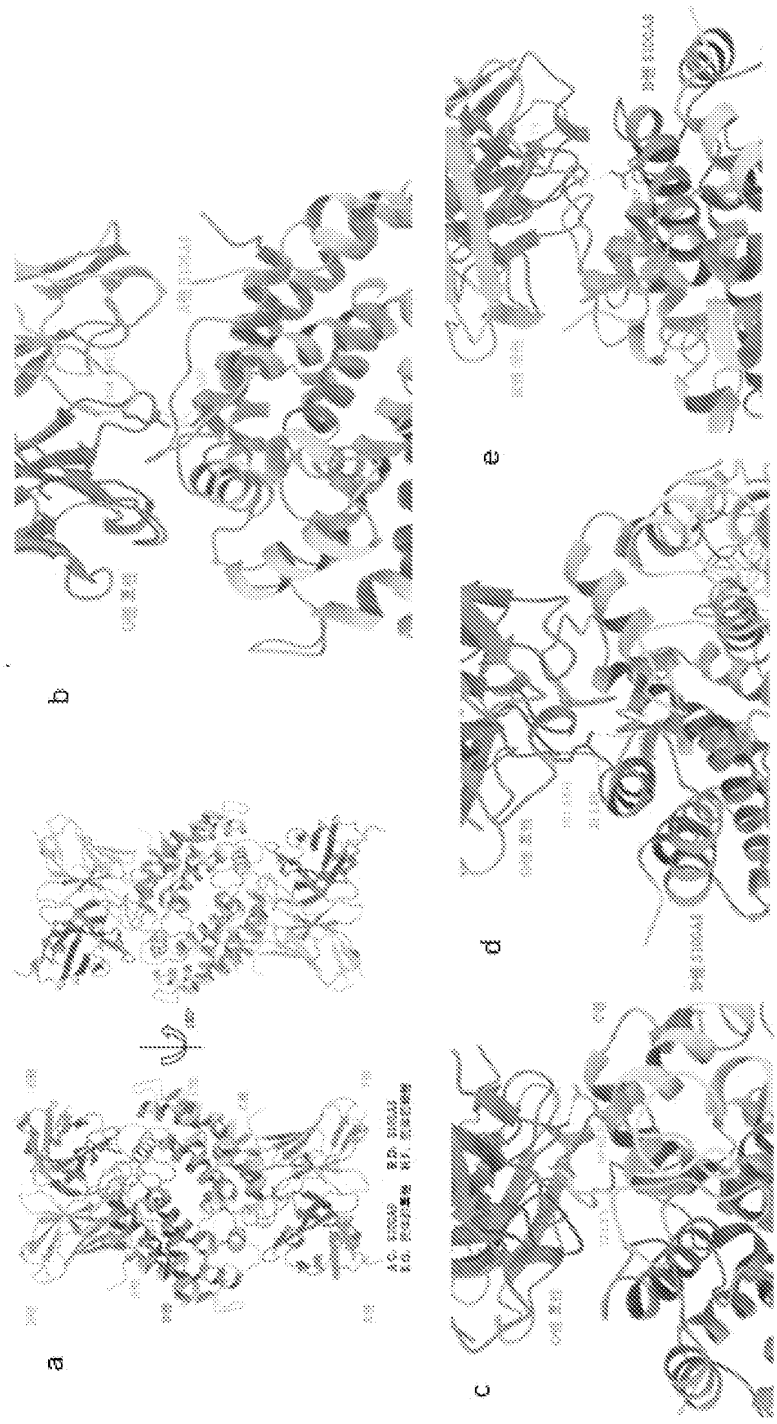


图 6

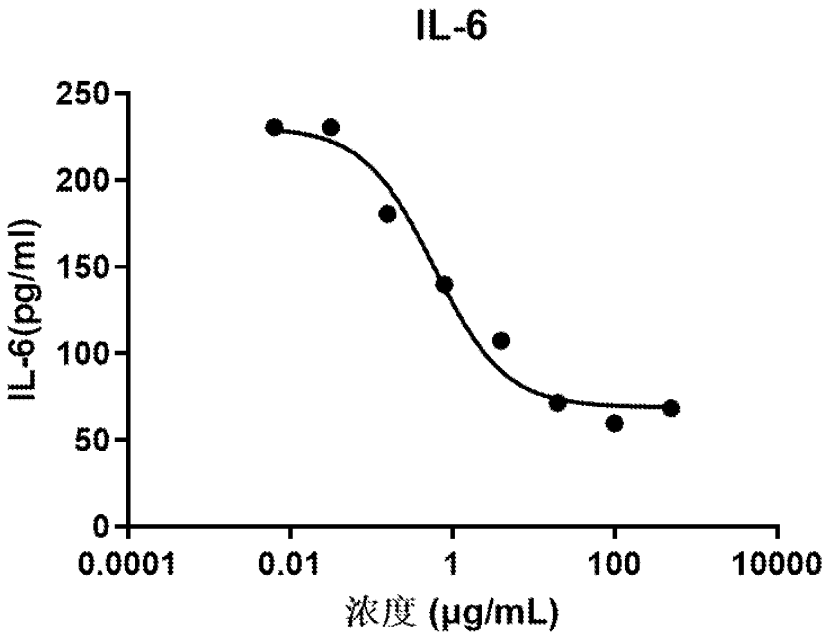

IL-6
IL-6(pg/ml)
250
200
150
100
50
0
0.0001
0.01
1
100
10000
浓度 (μg/mL)

图 7A

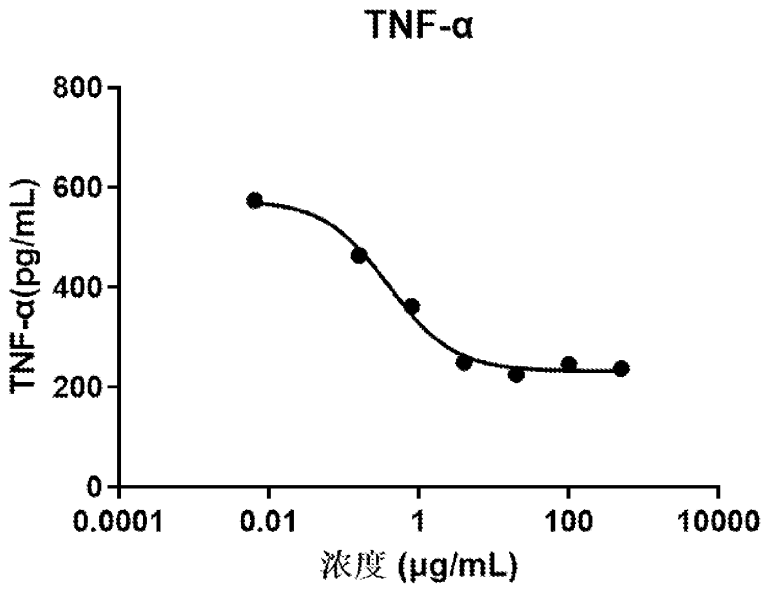

TNF-α
TNF-α(pg/mL)
800
600
400
200
0
0.0001
0.01
1
100
10000
浓度 (μg/mL)

图 7B

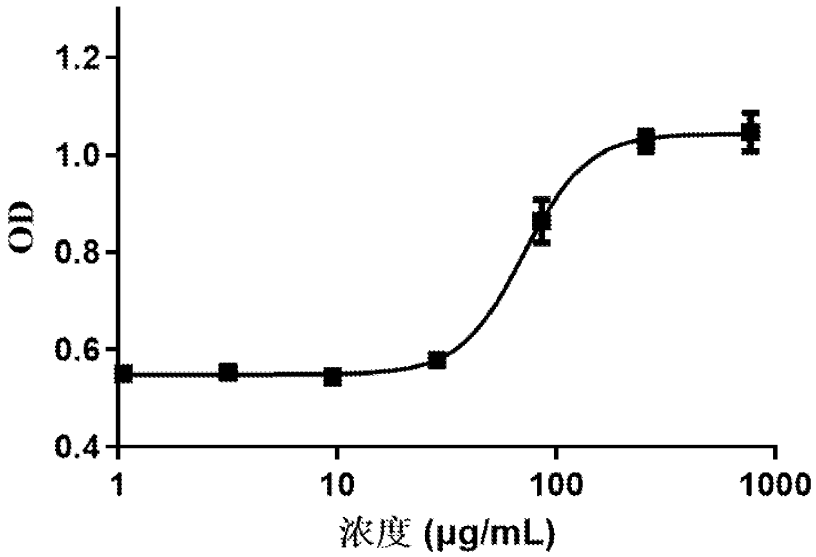


图 8

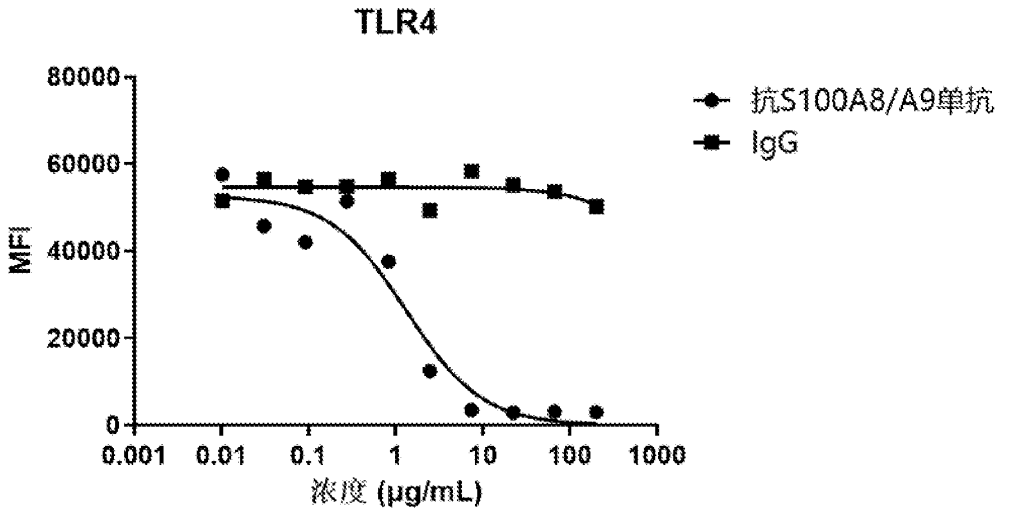

TLR4
80000
60000
40000
20000
0
MFI
0.001
0.01
0.1
1
10
100
1000
浓度 (μg/mL)
抗S100A8/A9单抗
IgG

图 9A

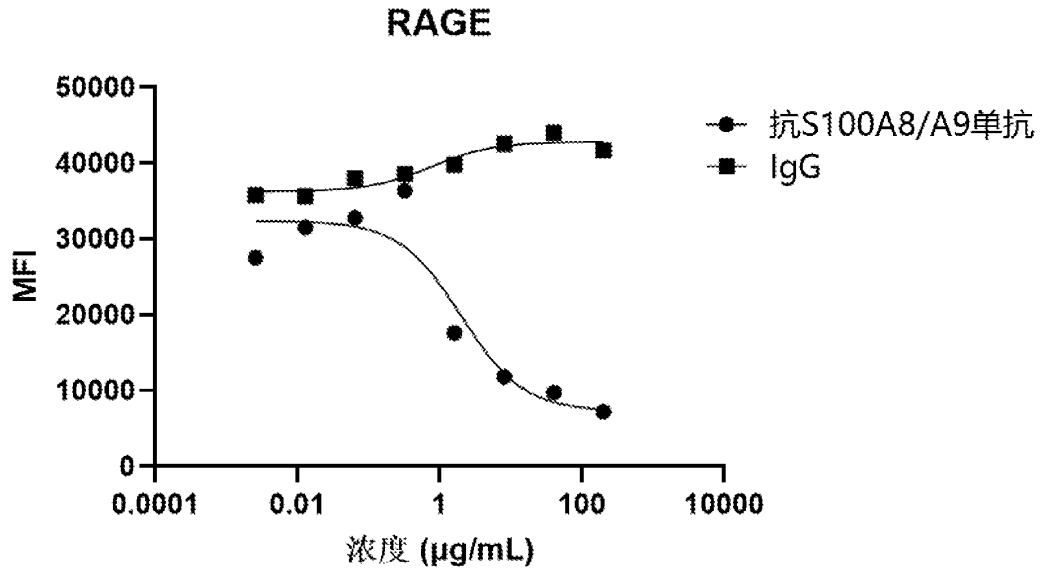

RAGE
50000
40000
30000
20000
10000
0
MFI
0.0001
0.01
1
100
10000
浓度 (μg/mL)
抗S100A8/A9单抗
IgG

图 9B

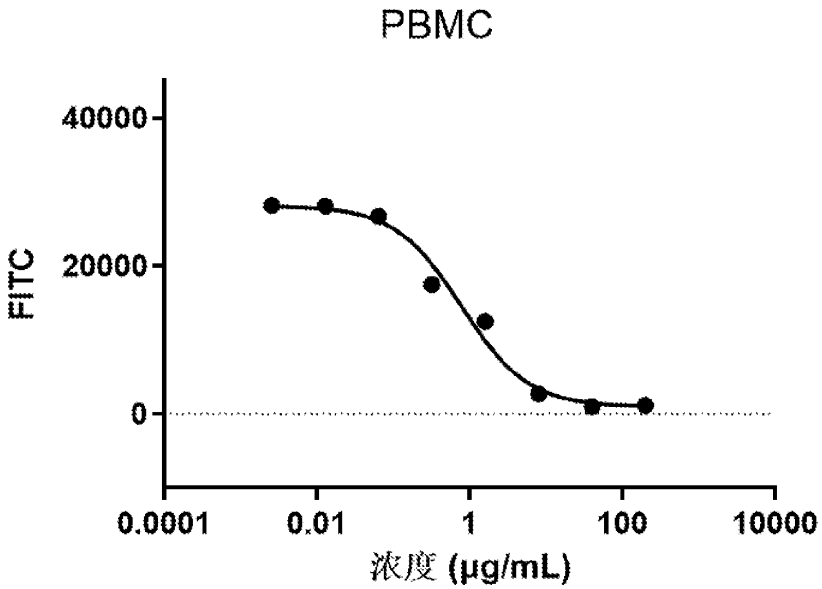

PBMC
40000
20000
0
FITC
0.0001
0.01
1
100
10000
浓度 (μg/mL)

图 10A

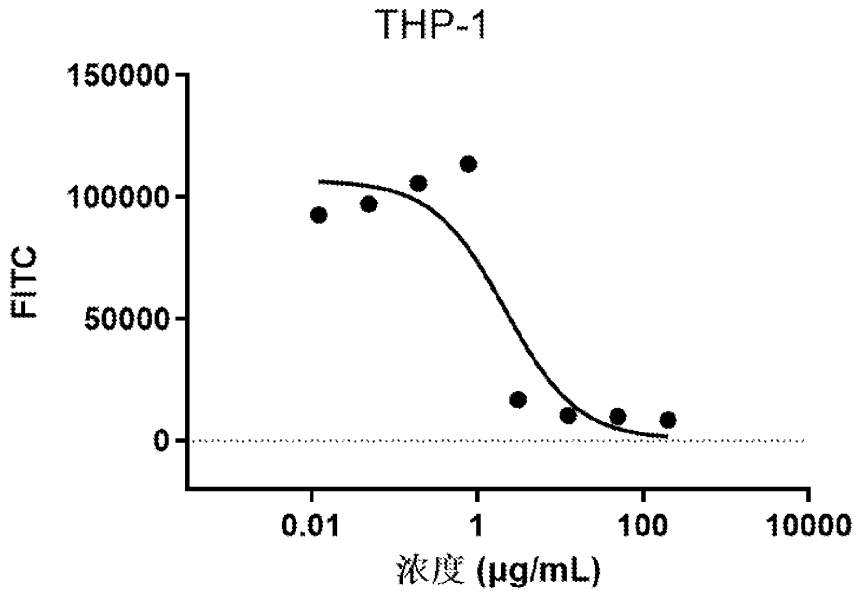

THP-1
150000
100000
50000
0
FITC
0.01
1
100
10000
浓度 (μg/mL)

图 10B

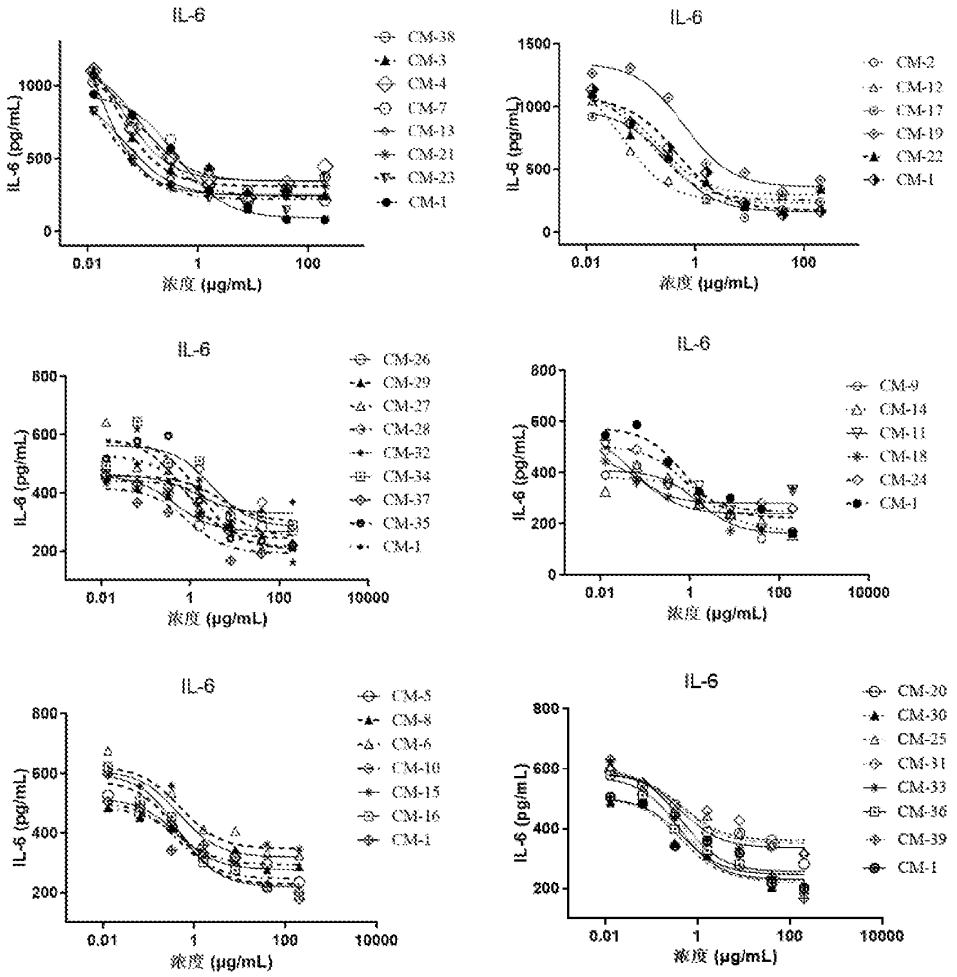

IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-38
CM-3
CM-4
CM-7
CM-13
CM-21
CM-23
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-2
CM-12
CM-17
CM-19
CM-22
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-26
CM-29
CM-27
CM-28
CM-32
CM-34
CM-37
CM-35
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-9
CM-14
CM-11
CM-18
CM-24
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-5
CM-8
CM-6
CM-10
CM-15
CM-16
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-20
CM-30
CM-25
CM-31
CM-33
CM-36
CM-39
CM-1

图 11

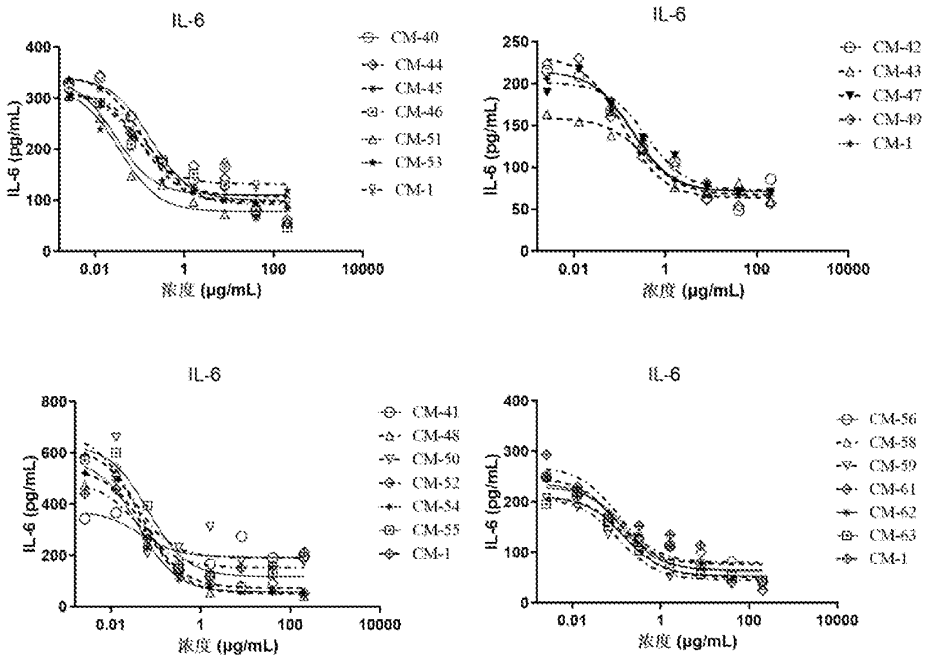

IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-40
CM-44
CM-45
CM-46
CM-51
CM-53
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-42
CM-43
CM-47
CM-49
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-41
CM-48
CM-50
CM-52
CM-54
CM-55
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-56
CM-58
CM-59
CM-61
CM-62
CM-63
CM-1

图 12A

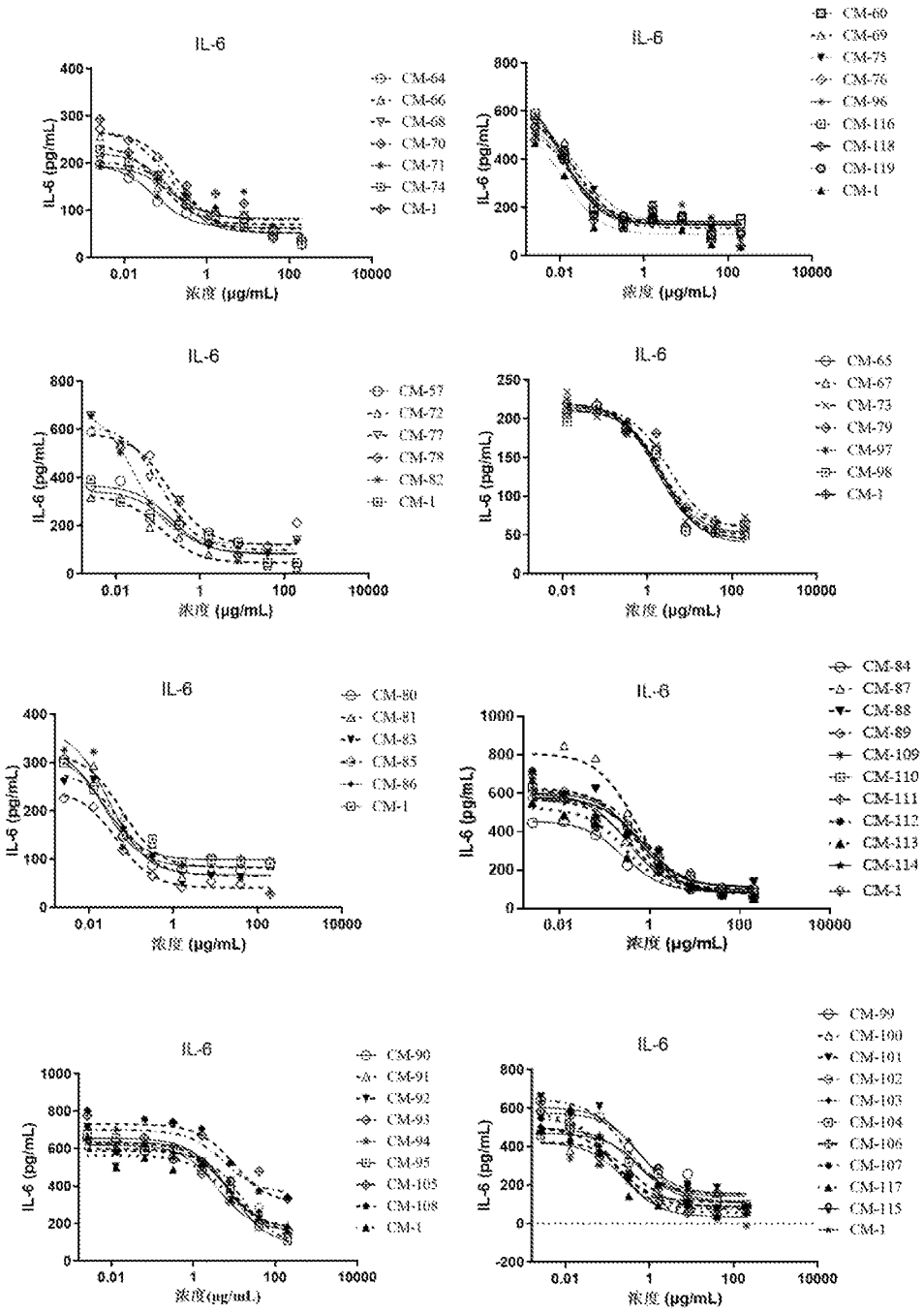

IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-64
CM-66
CM-68
CM-70
CM-71
CM-74
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-60
CM-69
CM-75
CM-76
CM-96
CM-116
CM-118
CM-119
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-57
CM-72
CM-77
CM-78
CM-82
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-65
CM-67
CM-73
CM-79
CM-97
CM-98
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-80
CM-81
CM-83
CM-85
CM-86
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-84
CM-87
CM-88
CM-89
CM-109
CM-110
CM-111
CM-112
CM-113
CM-114
CM-1
IL-6
IL-6 (pg/mL)
浓度(μg/mL)
CM-90
CM-91
CM-92
CM-93
CM-94
CM-95
CM-105
CM-108
CM-1
IL-6
IL-6 (pg/mL)
浓度 (μg/mL)
CM-99
CM-100
CM-101
CM-102
CM-103
CM-104
CM-106
CM-107
CM-117
CM-115
CM-1

图 12B

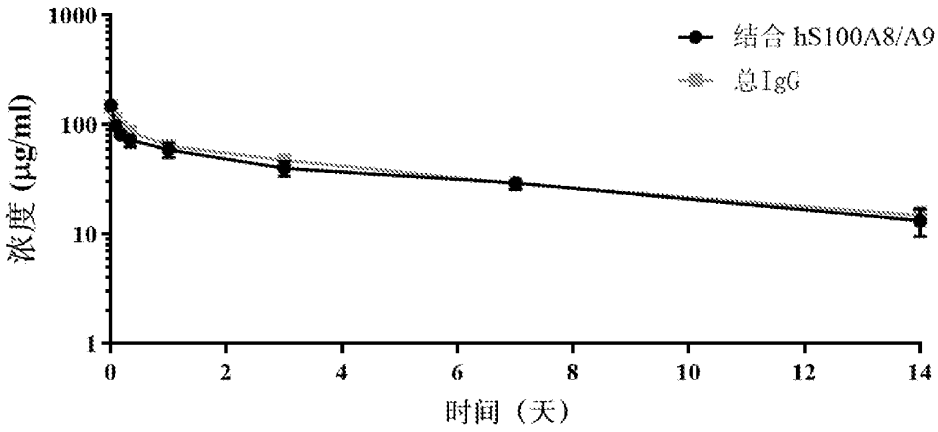

结合 hS100A8/A9
总IgG
浓度 (μg/ml)
1000
100
10
1
0
2
4
6
8
10
12
14
时间（天）

图 13

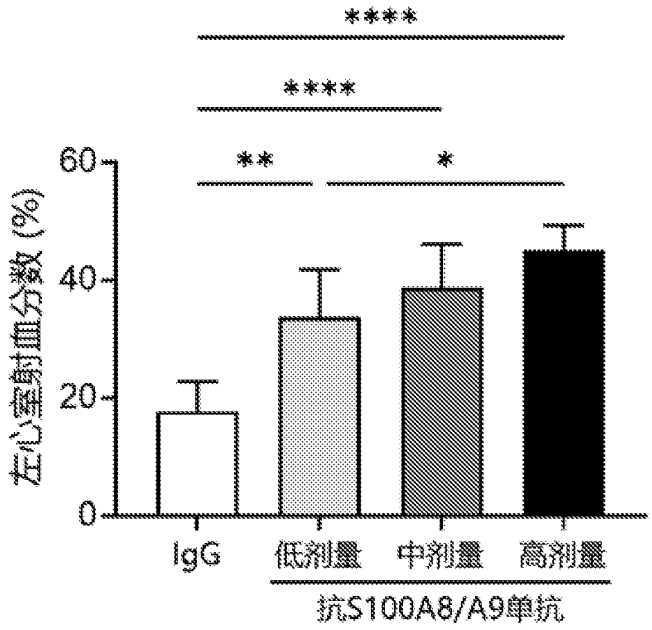

****
****
**
*
左心室射血分数 (%)
60
40
20
0
IgG
低剂量
中剂量
高剂量
抗S100A8/A9单抗

图 14

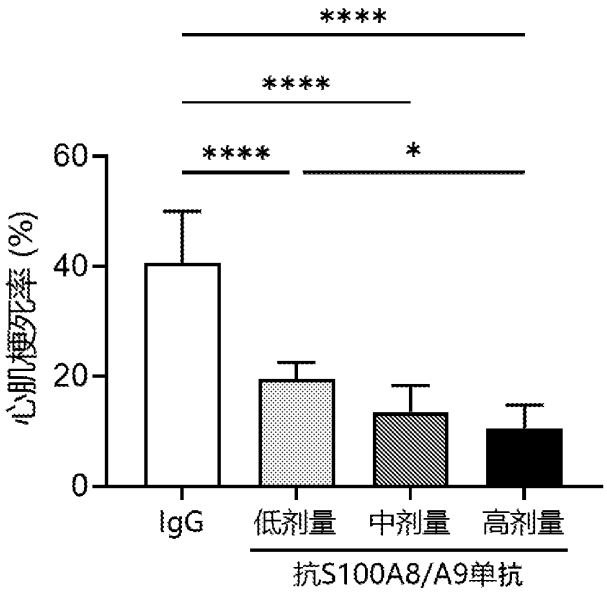

****
****
****
*
心肌梗死率 (%)
60
40
20
0
IgG
低剂量
中剂量
高剂量
抗S100A8/A9单抗

图 15

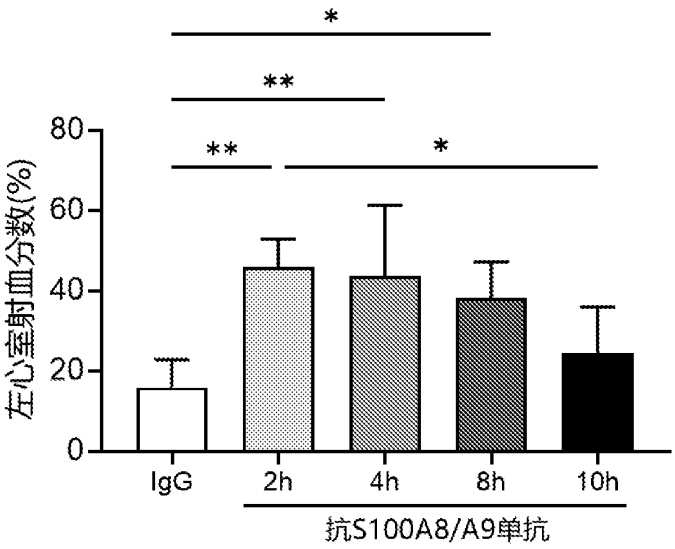

*
**
**
*
左心室射血分数(%)
80
60
40
20
0
IgG
2h
4h
8h
10h
抗S100A8/A9单抗

图 16

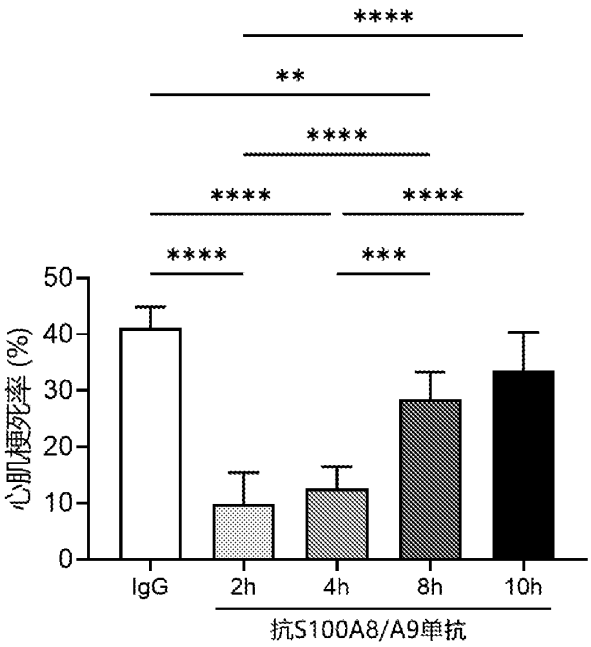

****
**
****
****
****
****
***
心肌梗死率 (%)
50
40
30
20
10
0
IgG
2h
4h
8h
10h
抗S100A8/A9单抗

图 17

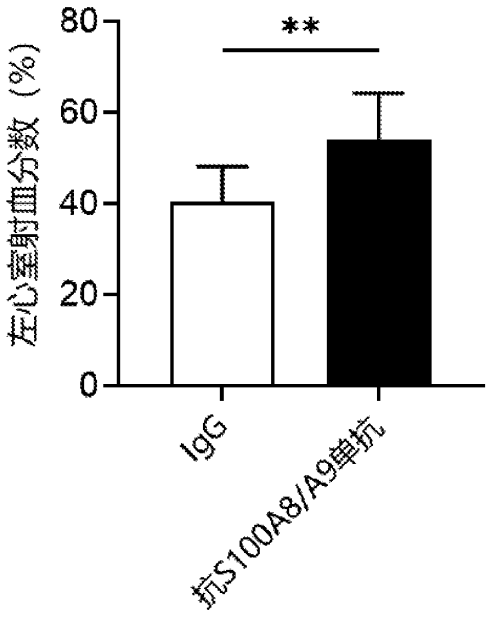

**
左心室射血分数（%）
80
60
40
20
0
IgG
抗S100A8/A9单抗

图 18