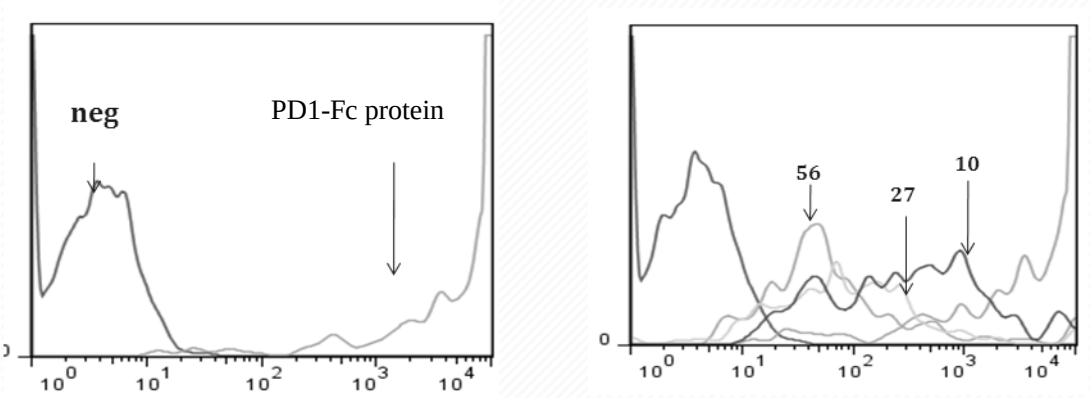
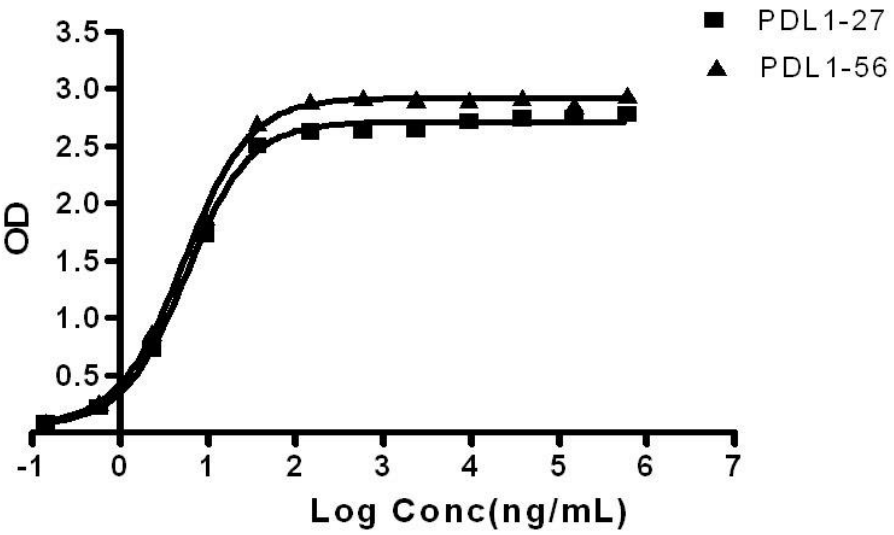
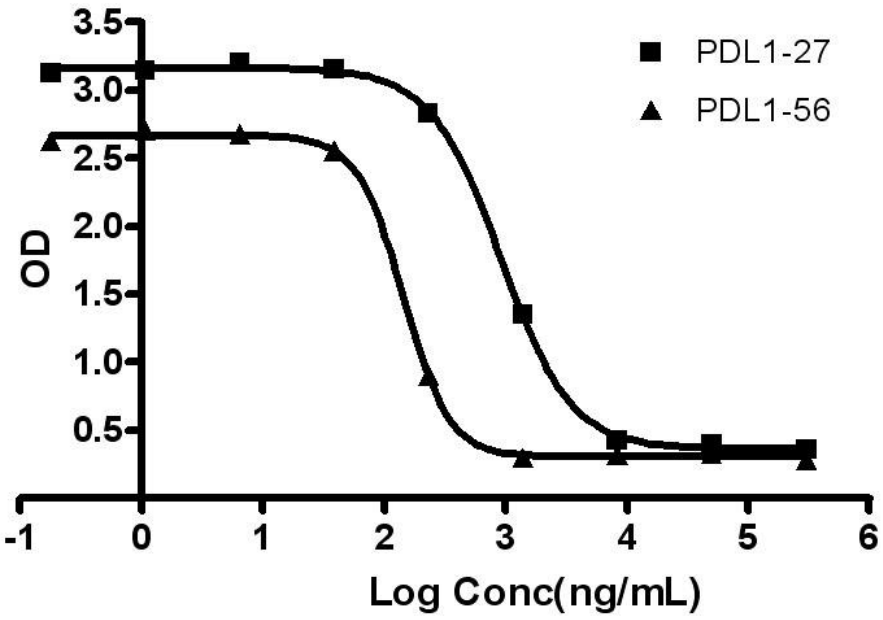


Figure1



	PDL1-27	PDL1-56
EC50	5.680	5.304

Figure2



	PDL1-27	PDL1-56
EC50	917.3	143.9

Figure3

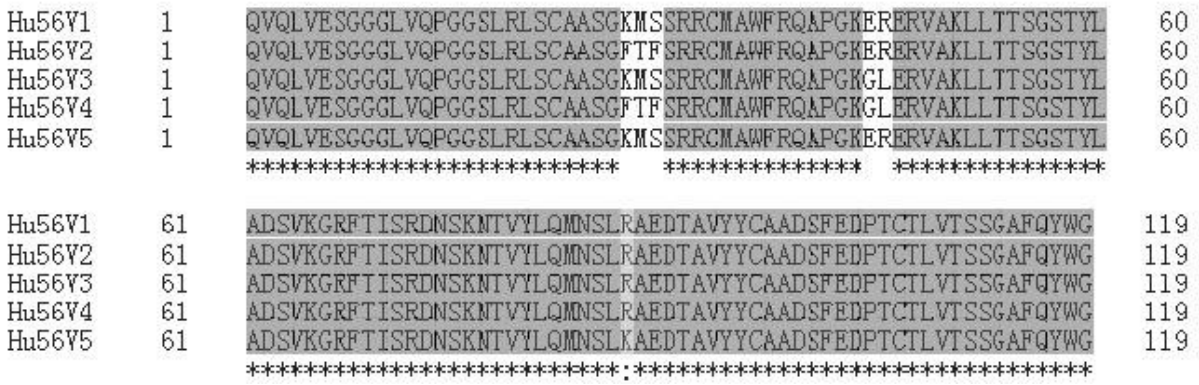

Hu56V1 1 QVQLVESGGGLVQPGGSLRLSCAASGKMSSRRCMAWFRQAPGKERERVAKLLTTSGSTYL 60
Hu56V2 1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSRRCMAWFRQAPGKERERVAKLLTTSGSTYL 60
Hu56V3 1 QVQLVESGGGLVQPGGSLRLSCAASGKMSSRRCMAWFRQAPGKGLERVAKLLTTSGSTYL 60
Hu56V4 1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSRRCMAWFRQAPGKGLERVAKLLTTSGSTYL 60
Hu56V5 1 QVQLVESGGGLVQPGGSLRLSCAASGKMSSRRCMAWFRQAPGKERERVAKLLTTSGSTYL 60
Hu56V1 61 ADSVKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCAADSFEDPTCTLVTSSGAFQYWG 119
Hu56V2 61 ADSVKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCAADSFEDPTCTLVTSSGAFQYWG 119
Hu56V3 61 ADSVKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCAADSFEDPTCTLVTSSGAFQYWG 119
Hu56V4 61 ADSVKGRFTISRDNSKNTVYLQMNSLRAEDTAVYYCAADSFEDPTCTLVTSSGAFQYWG 119
Hu56V5 61 ADSVKGRFTISRDNSKNTVYLQMNSLKAEDTAVYYCAADSFEDPTCTLVTSSGAFQYWG 119

Figure4

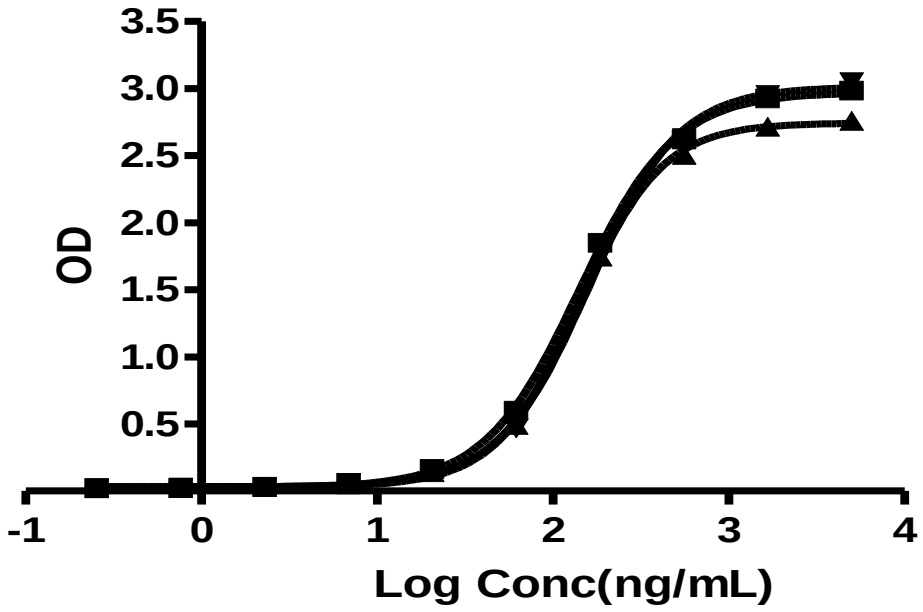


Figure5

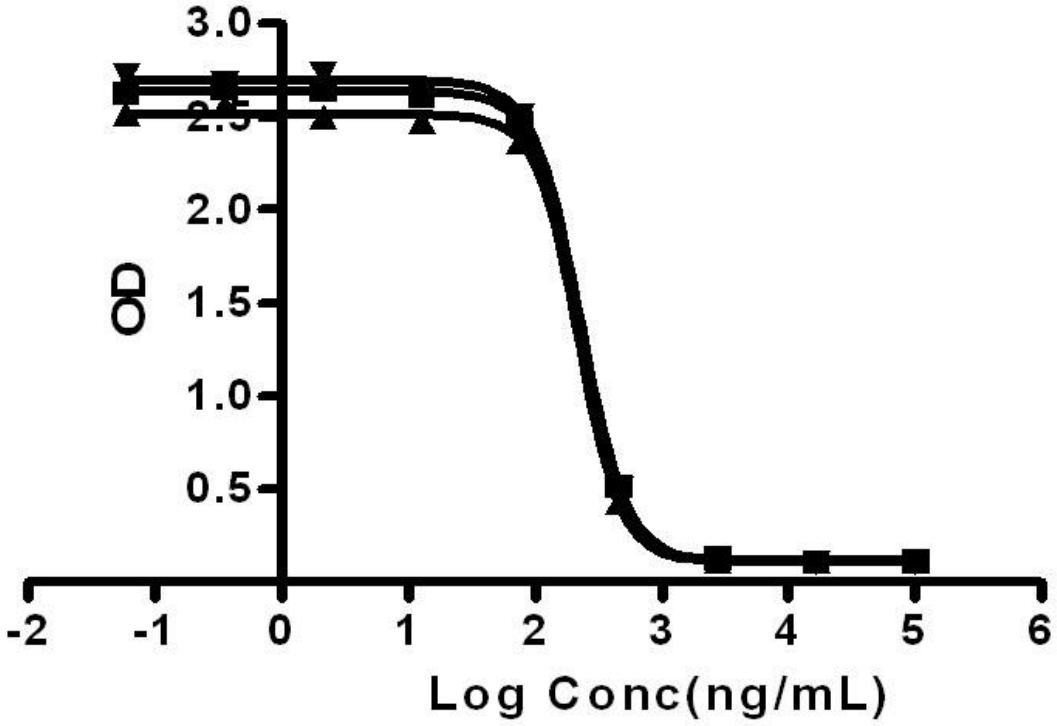


Figure6

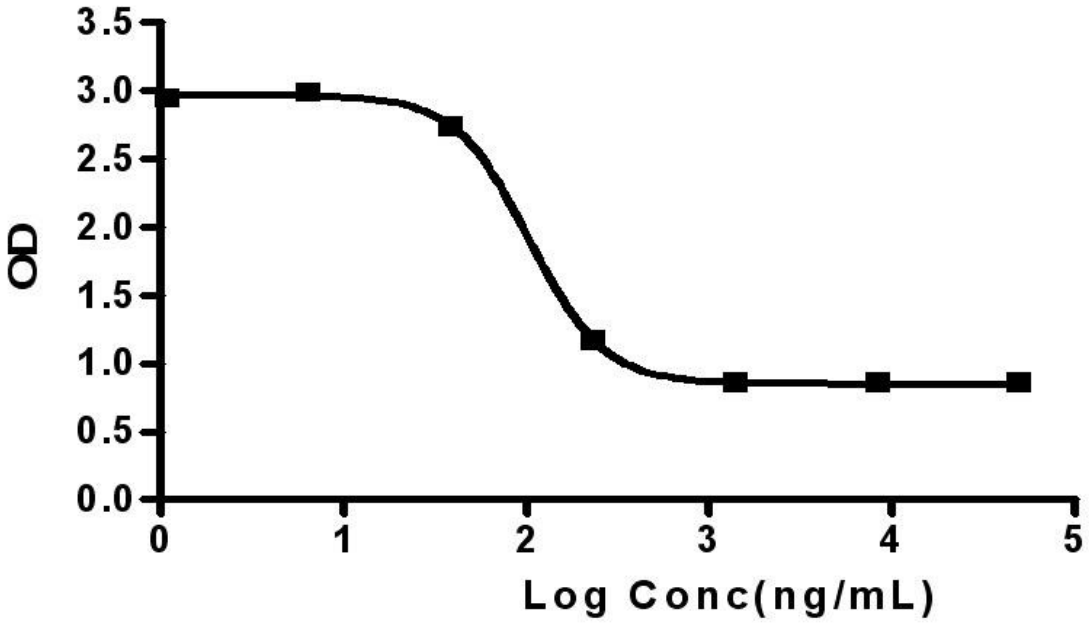


Figure7

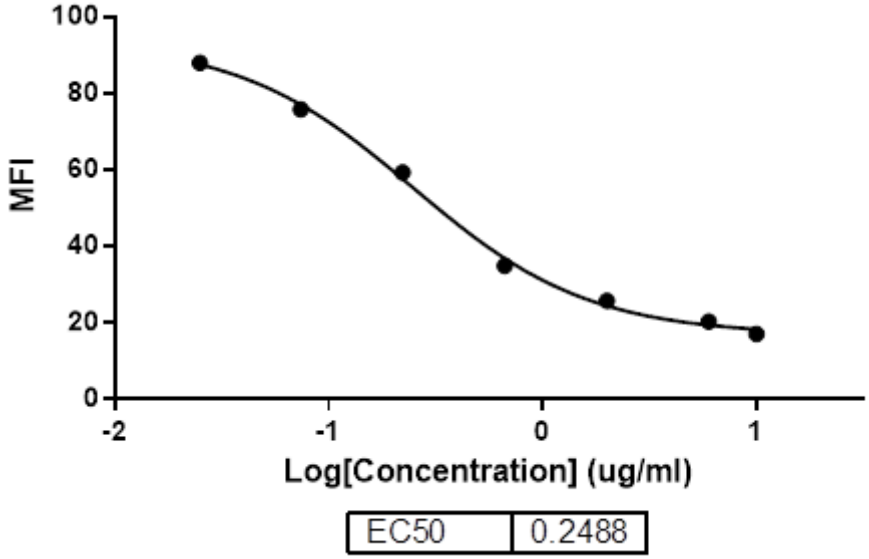


Figure8

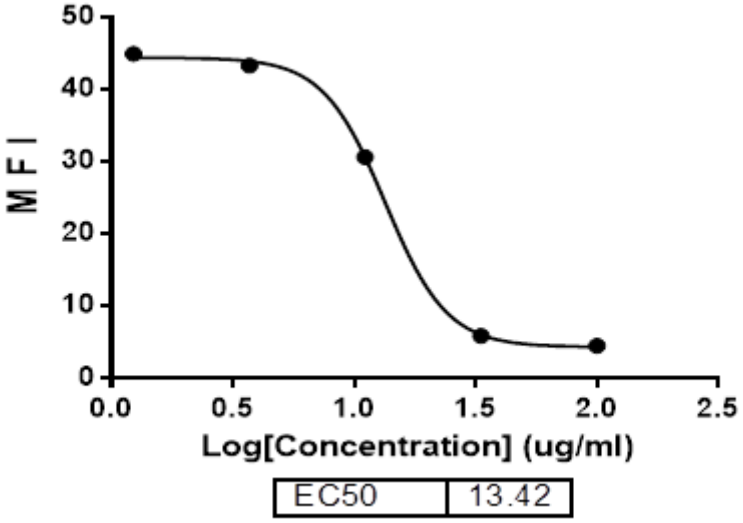

50
40
30
20
10
0
MFI
0.0
0.5
1.0
1.5
2.0
2.5
Log[Concentration] (ug/ml)
EC50
13.42

Figure9

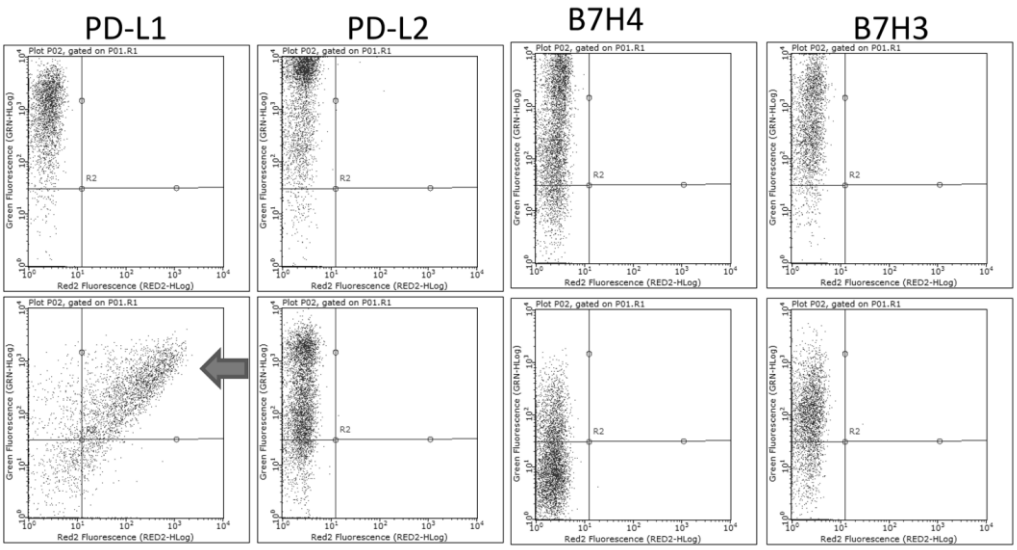

PD-L1
PD-L2
B7H4
B7H3
Plot P02, gated on P01.R1
Green Fluorescence (GRN-HLog)
Red2 Fluorescence (RED2-HLog)
R2

Figure10

		MFI
A02	293 APC only	8
A05	293 vector-KN035	353
A03	293 hPD-L1-KN035	2874
A04	293 cmPD-L1-KN035	2821

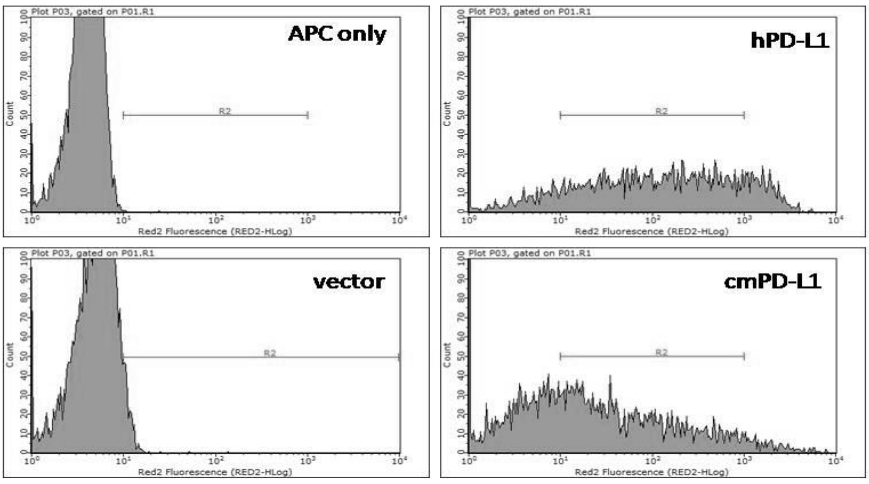
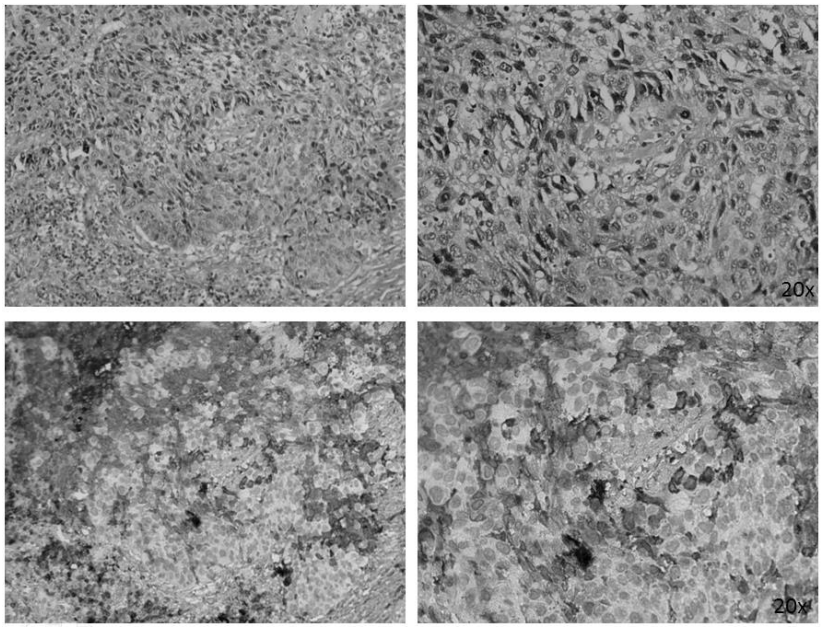


Figure11



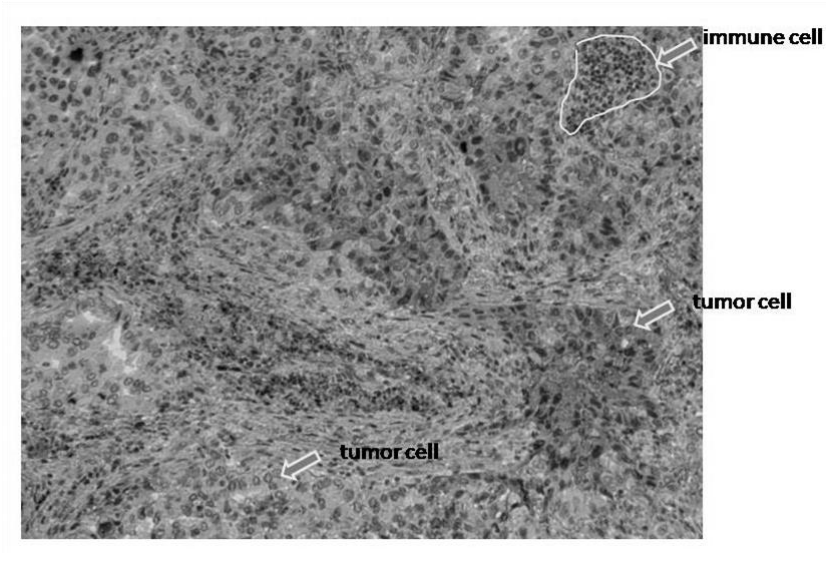


Figure12

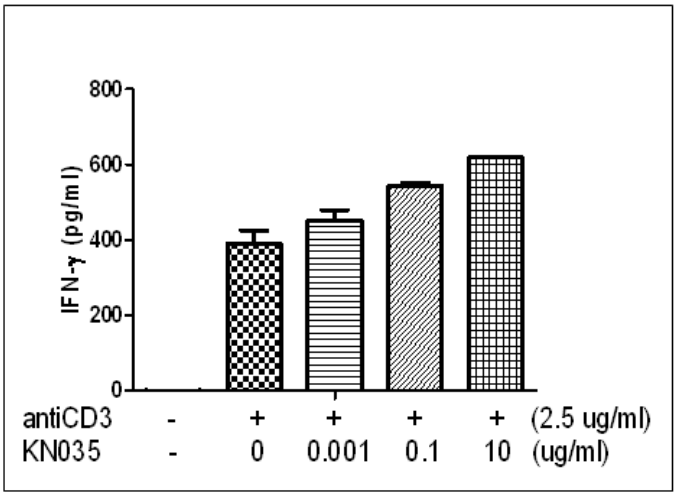

800
600
400
200
0
IFN-γ (pg/ml)
antiCD3 - + + + + (2.5 ug/ml)
KN035 - 0 0.001 0.1 10 (ug/ml)

Figure13

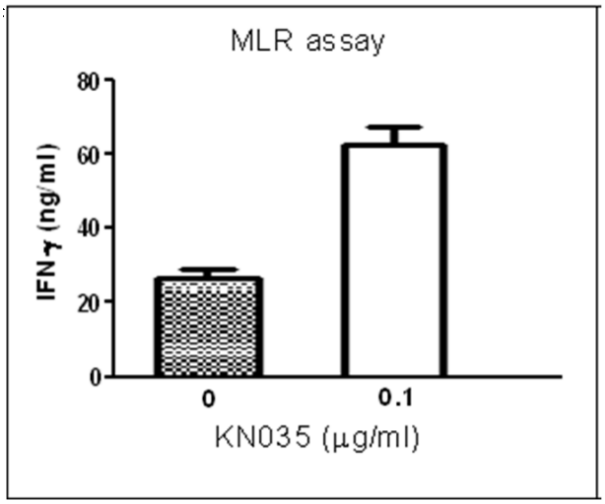


Figure14 A

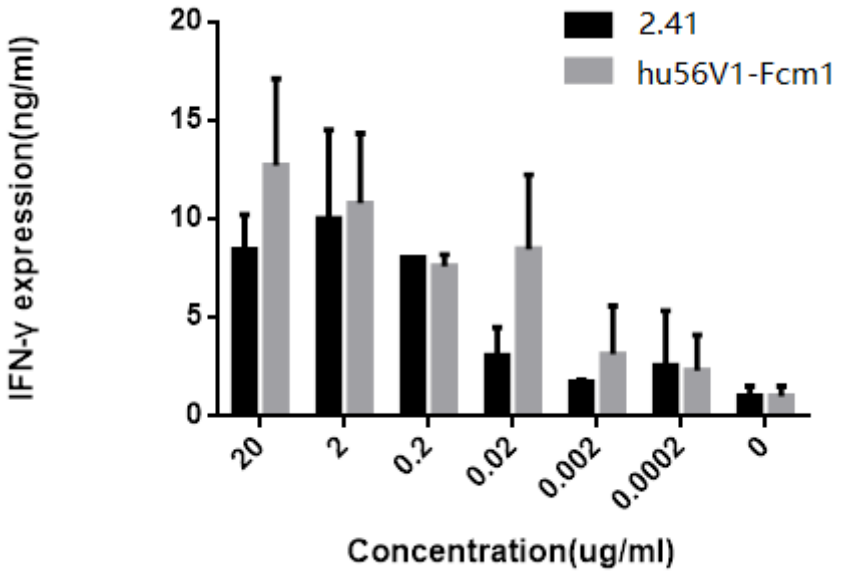


Figure14 B

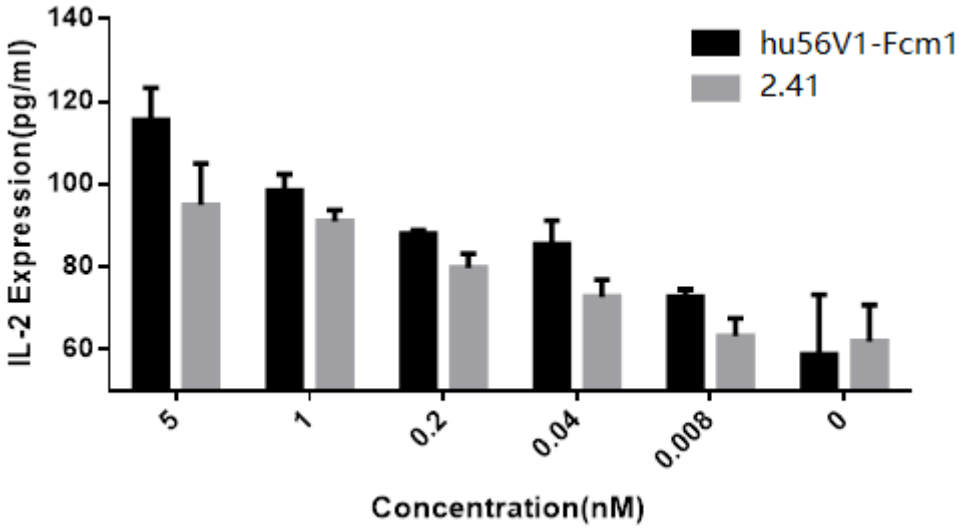

140
120
100
80
60
IL-2 Expression(pg/ml)
hu56V1-Fcm1
2.41
5
1
0.2
0.04
0.008
0
Concentration(nM)

Figure15

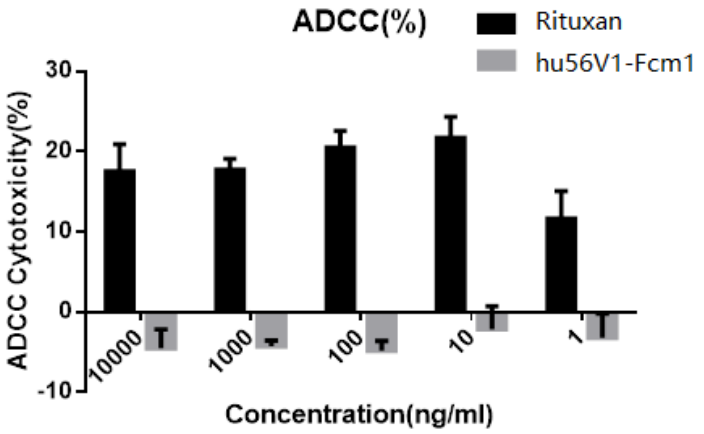


Figure16 A

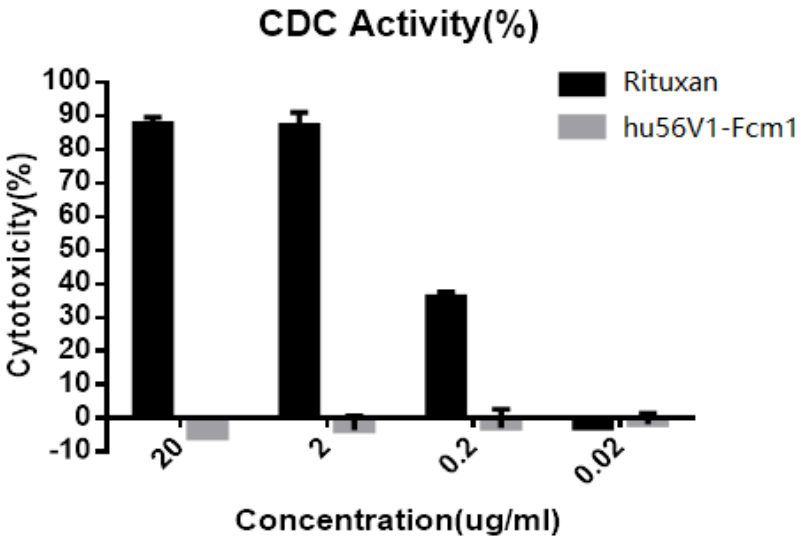


Figure16 B

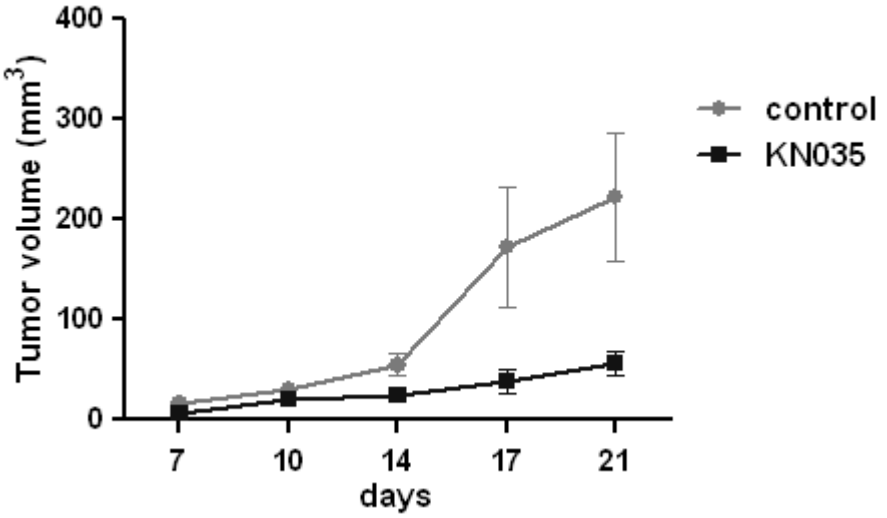


Figure17 A

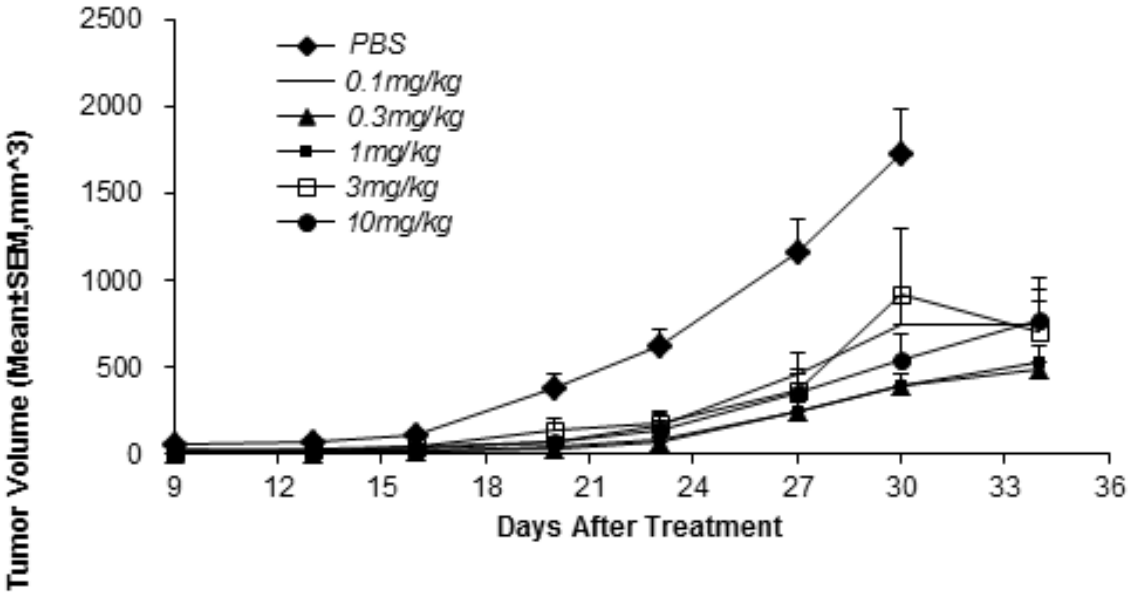


Figure17 B

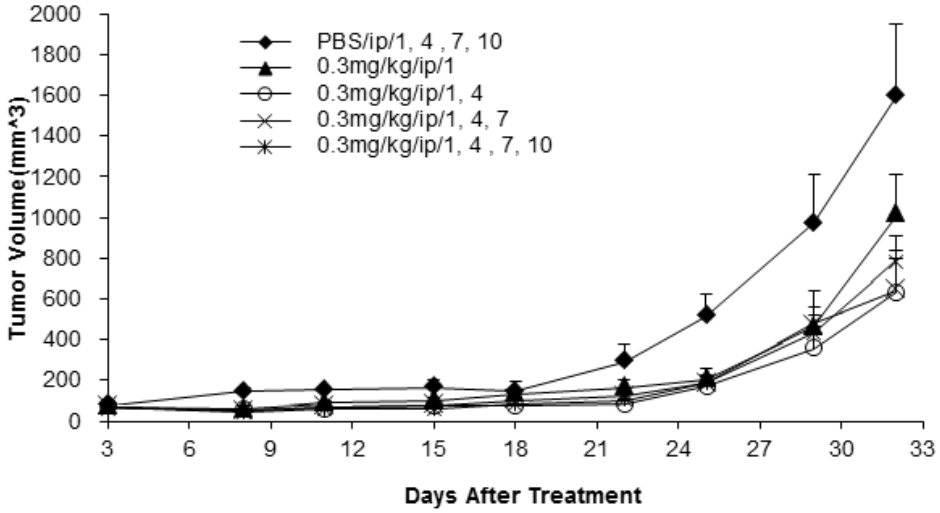

PBS/ip/1, 4 , 7, 10
0.3mg/kg/ip/1
0.3mg/kg/ip/1, 4
0.3mg/kg/ip/1, 4, 7
0.3mg/kg/ip/1, 4 , 7, 10
Tumor Volume(mm^3)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
3
6
9
12
15
18
21
24
27
30
33
Days After Treatment

Figure18

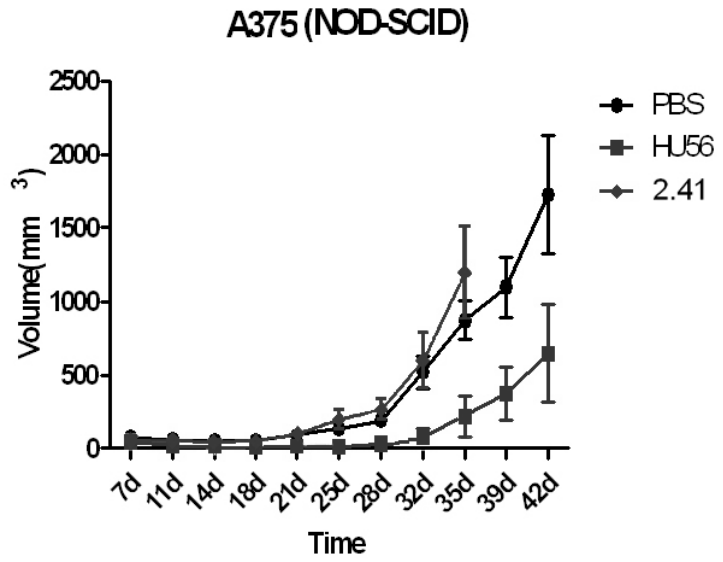


Figure19A

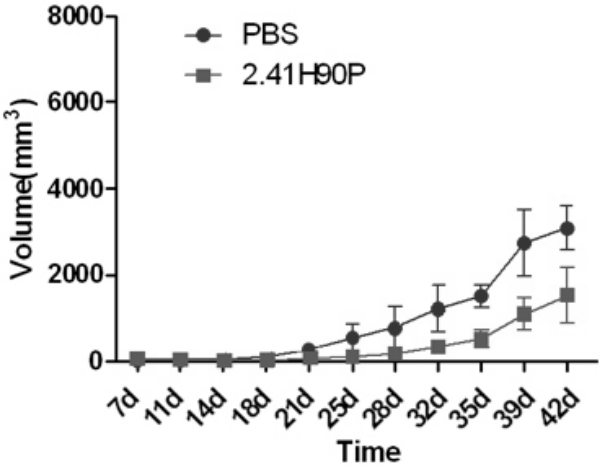


Figure19B

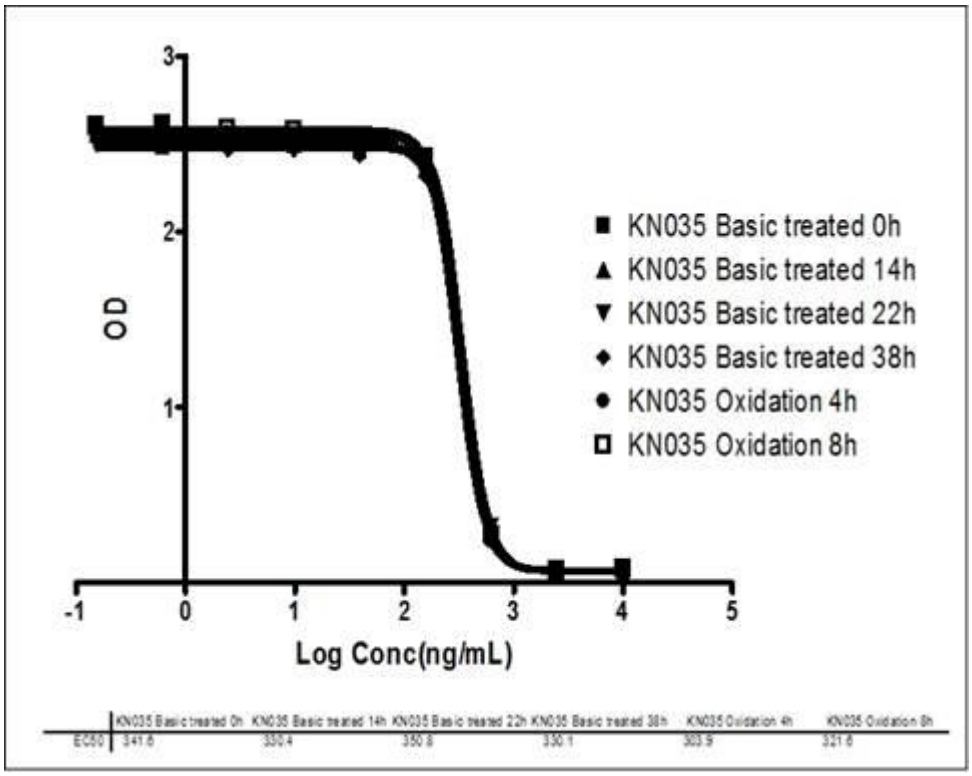

OD
Log Conc(ng/mL)
KN035 Basic treated 0h
KN035 Basic treated 14h
KN035 Basic treated 22h
KN035 Basic treated 38h
KN035 Oxidation 4h
KN035 Oxidation 8h
KN035 Basic treated 0h KN035 Basic treated 14h KN035 Basic treated 22h KN035 Basic treated 38h KN035 Oxidation 4h KN035 Oxidation 8h
EC50 341.6 330.4 350.8 330.1 303.9 321.6

Figure20