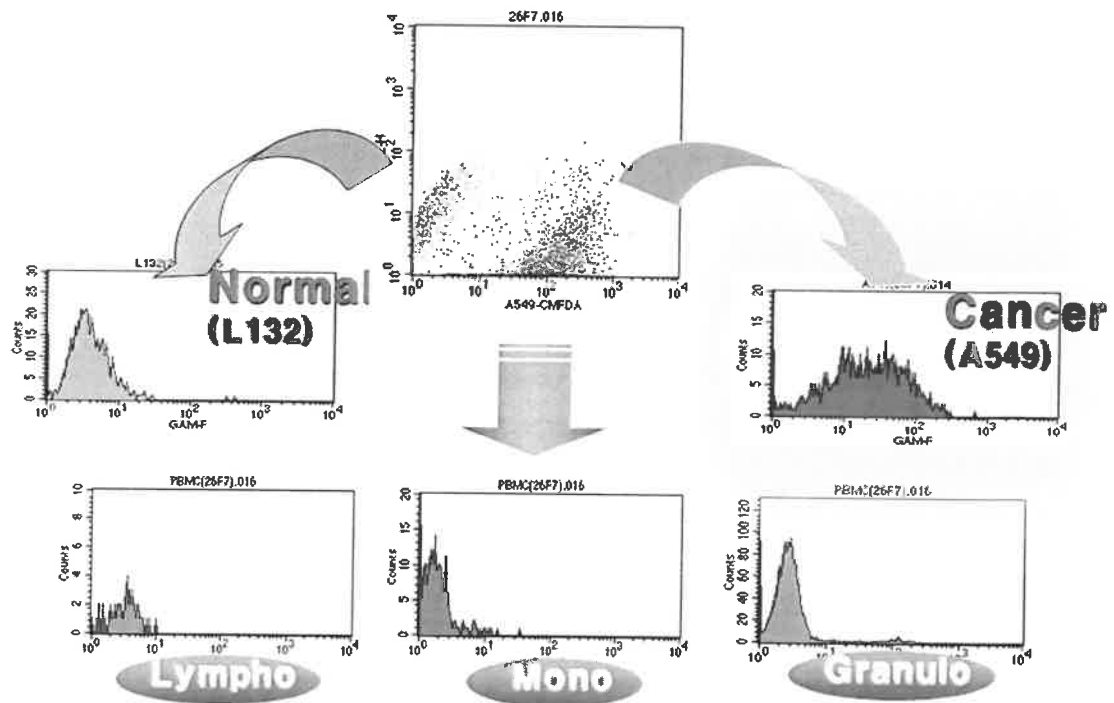
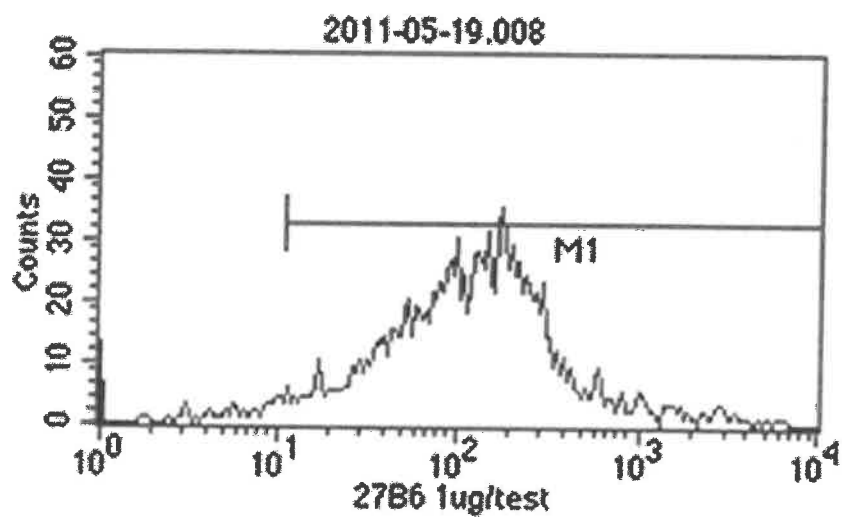


Drawings

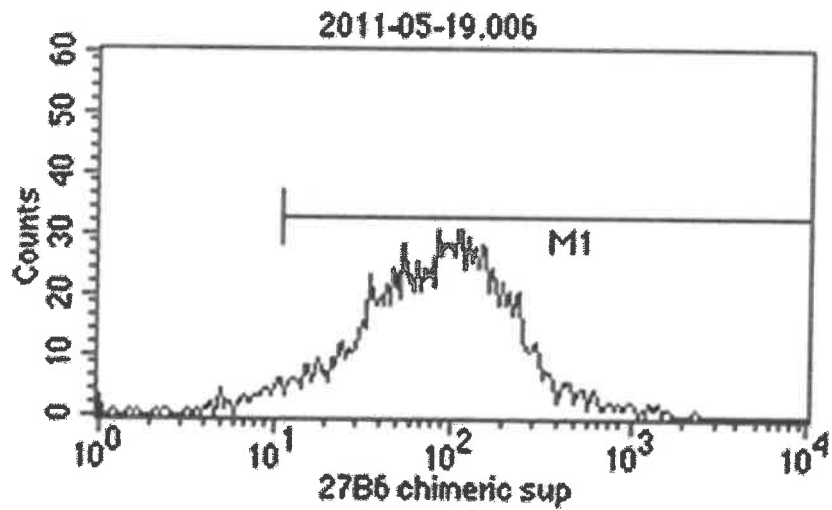
[Fig. 1]



[Fig. 2]



Marker	% Gated	Mean
All	100.00	195.55
M1	97.70	200.00

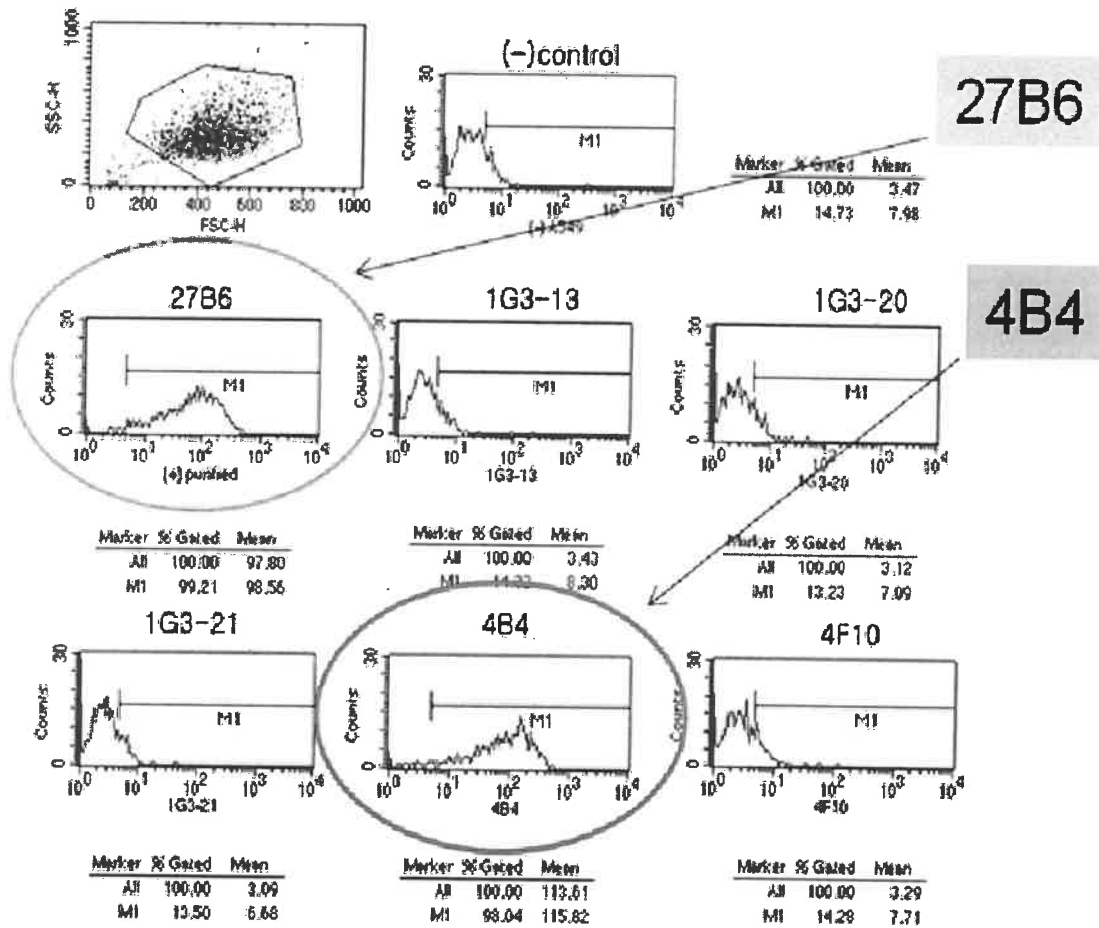


Marker	% Gated	Mean
All	100.00	111.58
M1	97.20	114.57

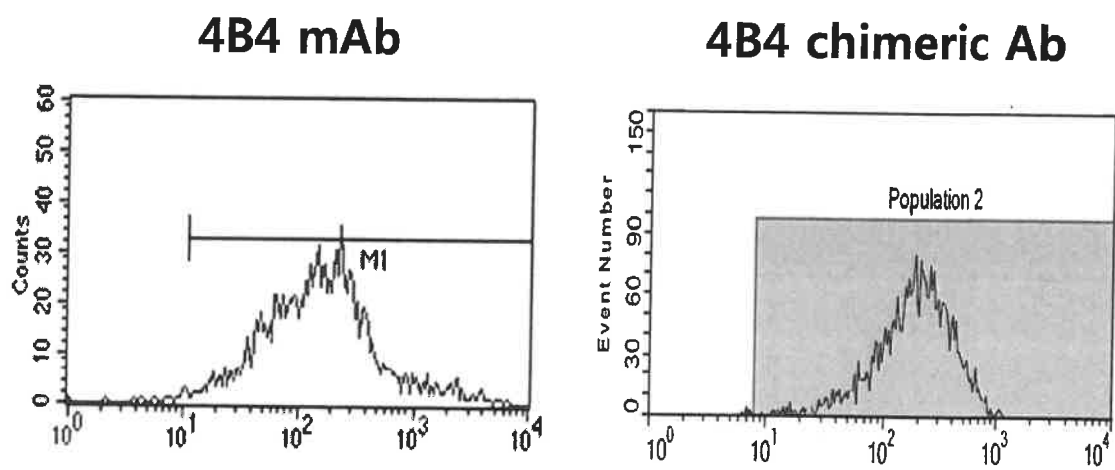
[Fig. 3]

27B6 pairing Ab fusion clones screening

Partner cell: A549-SNU

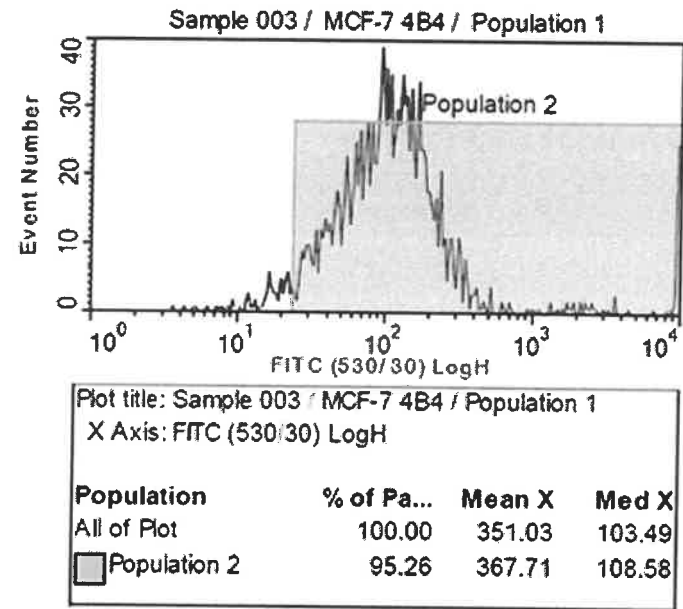


[Fig. 4]



[Fig. 5a]

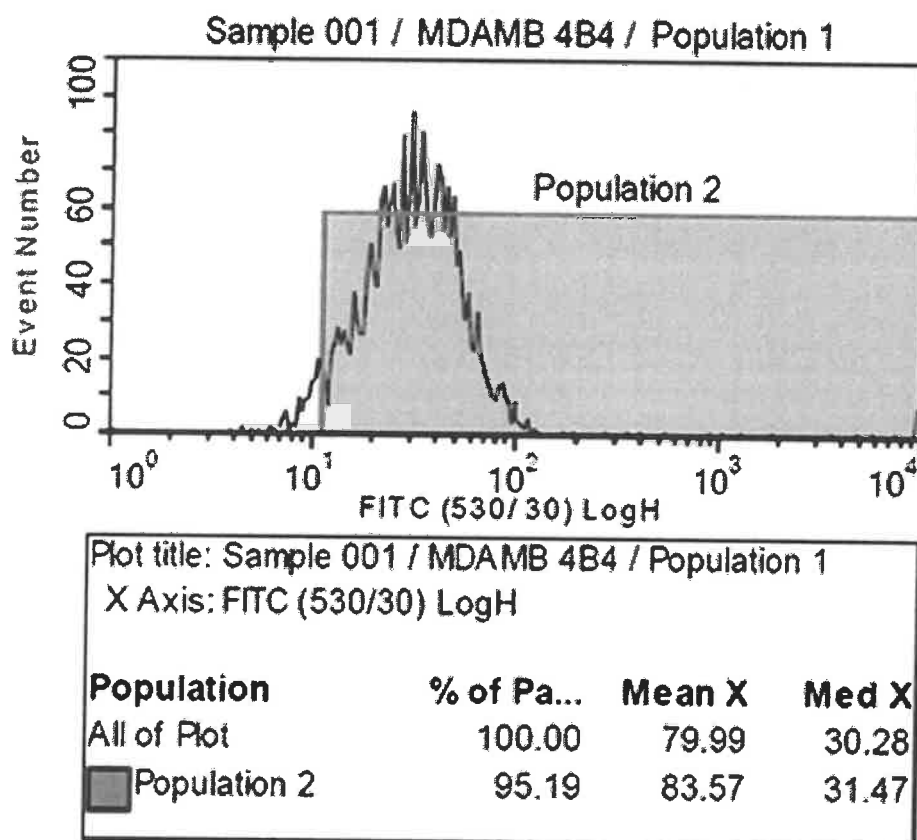
MCF7: ER+PR+



ER: Estrogen receptor
PR: Progesterone Receptor
HER2: human epidermal growth
factor receptor 2

[Fig. 5b]

MDAMB231: triple negative



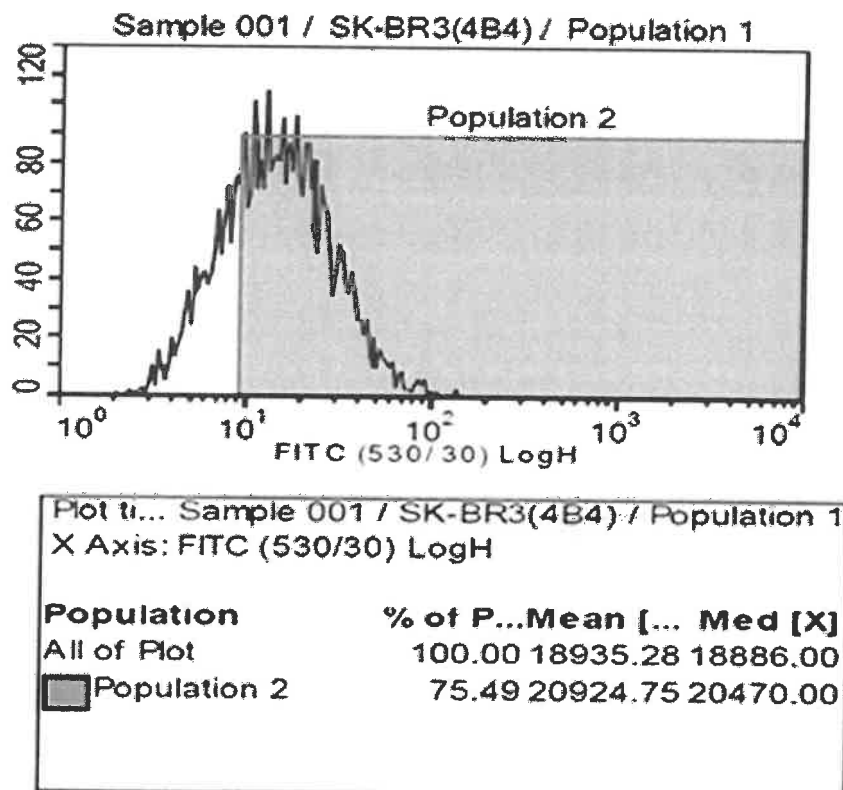
ER: Estrogen receptor

PR: Progesterone Receptor

HER2: human epidermal growth
factor receptor 2

[Fig. 5c]

SKBR3: HER2+

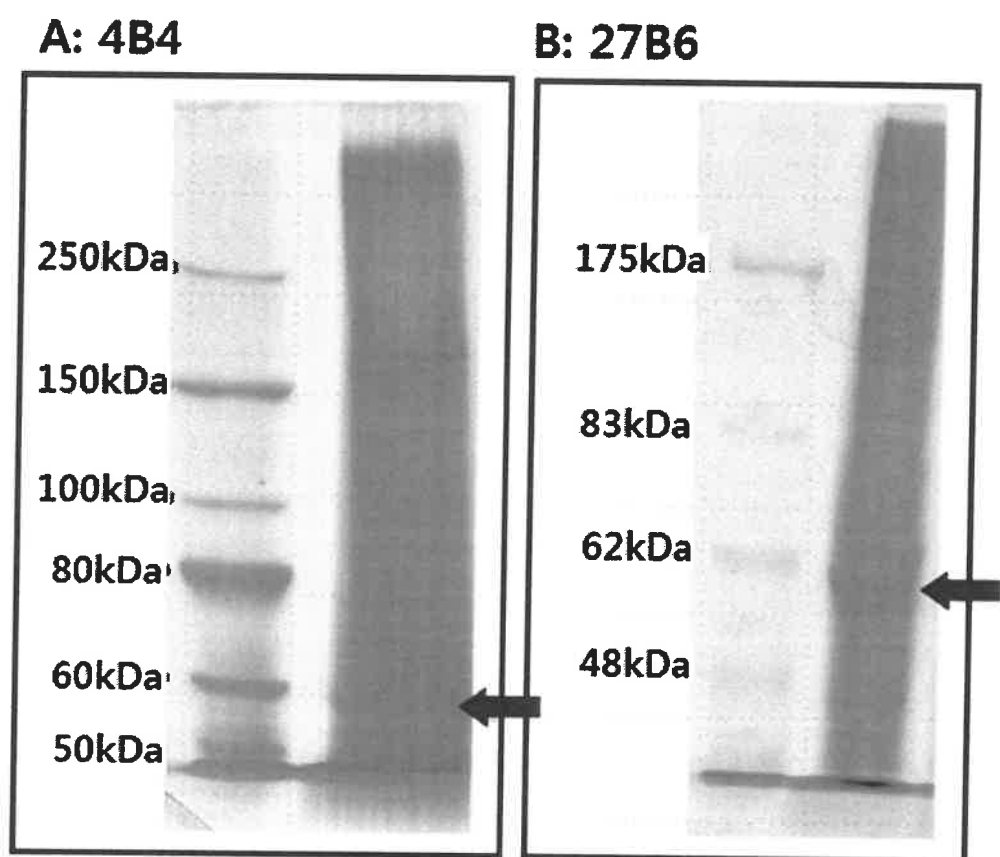


ER: Estrogen receptor

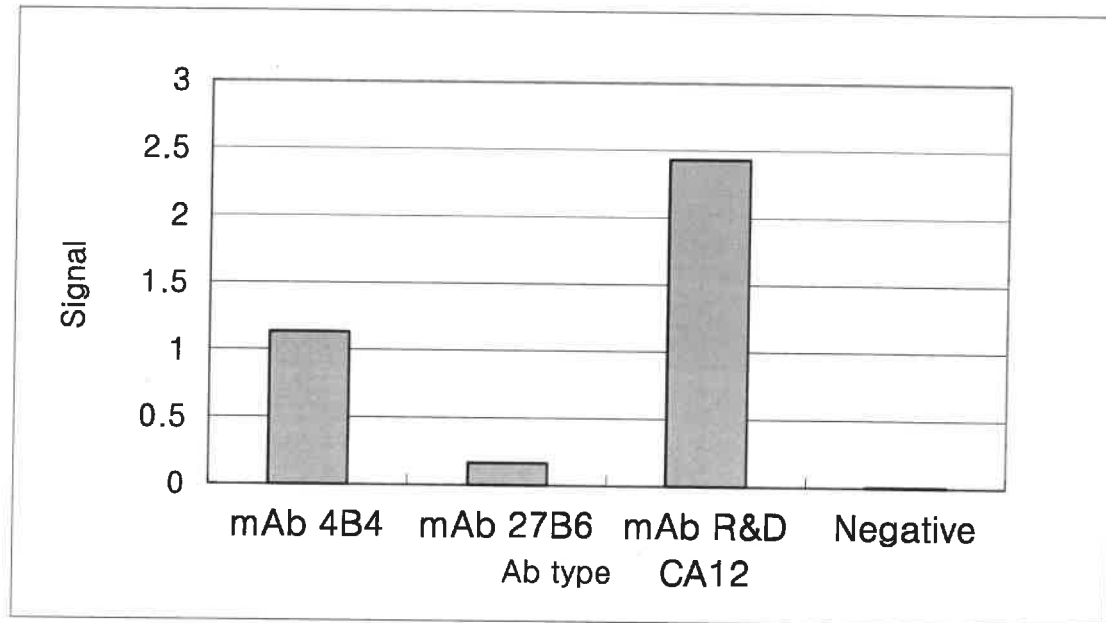
PR: Progesterone Receptor

HER2: human epidermal growth
factor receptor 2

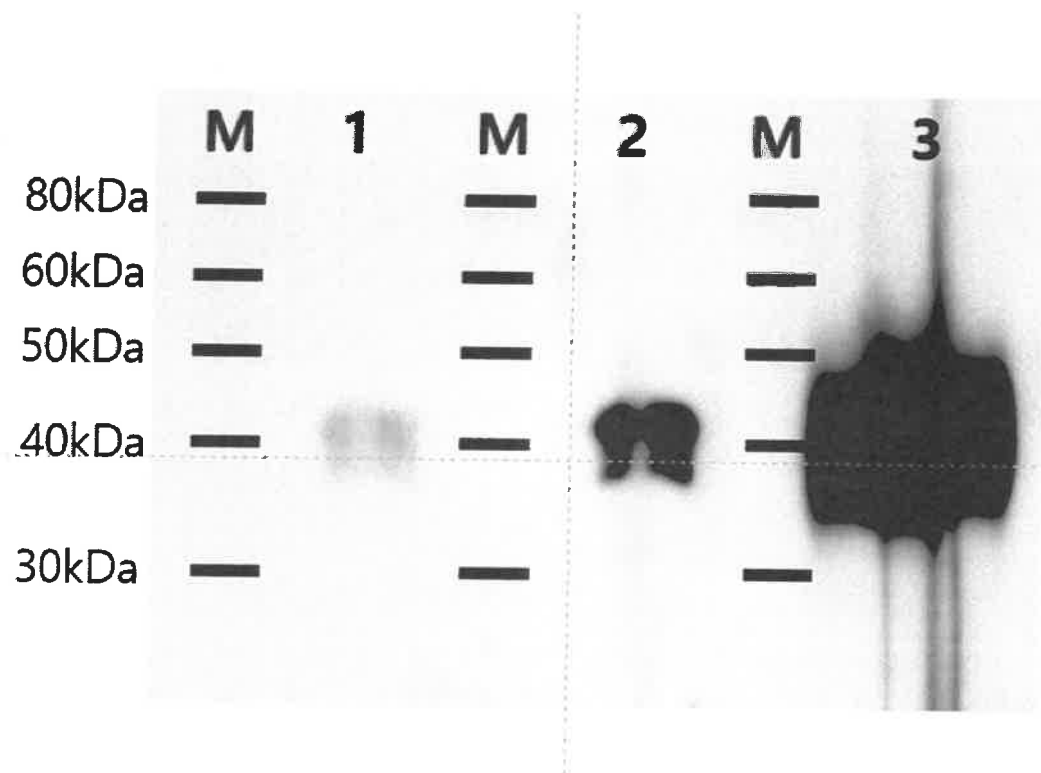
[Fig. 6]



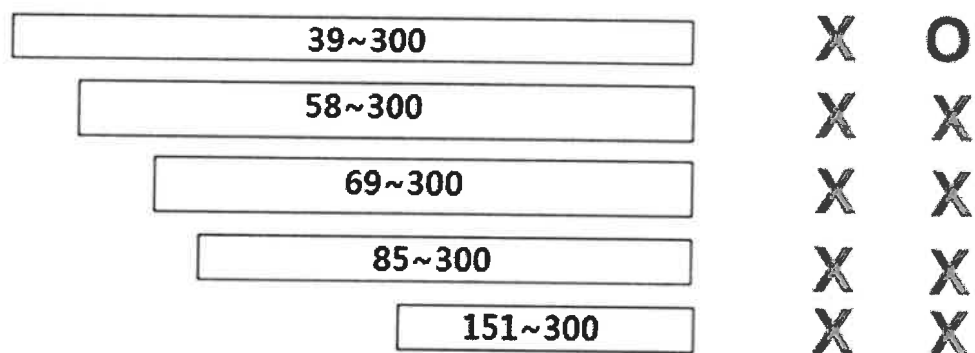
[Fig. 7]



[Fig. 8]

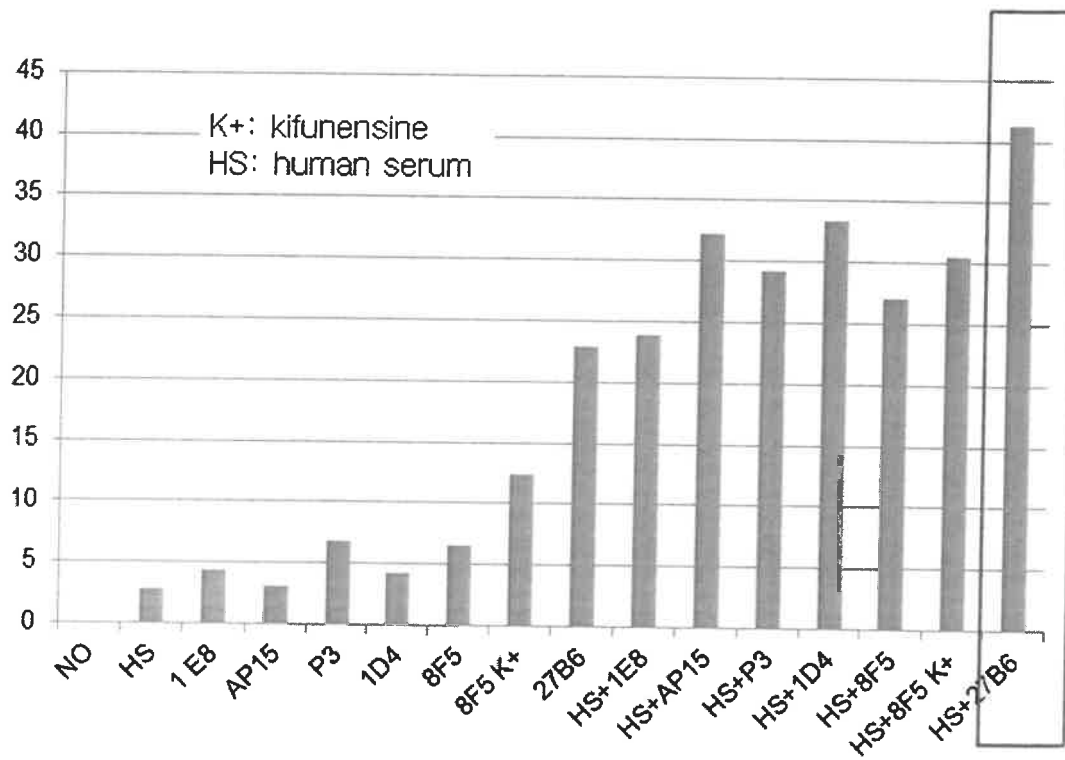


[Fig. 9]

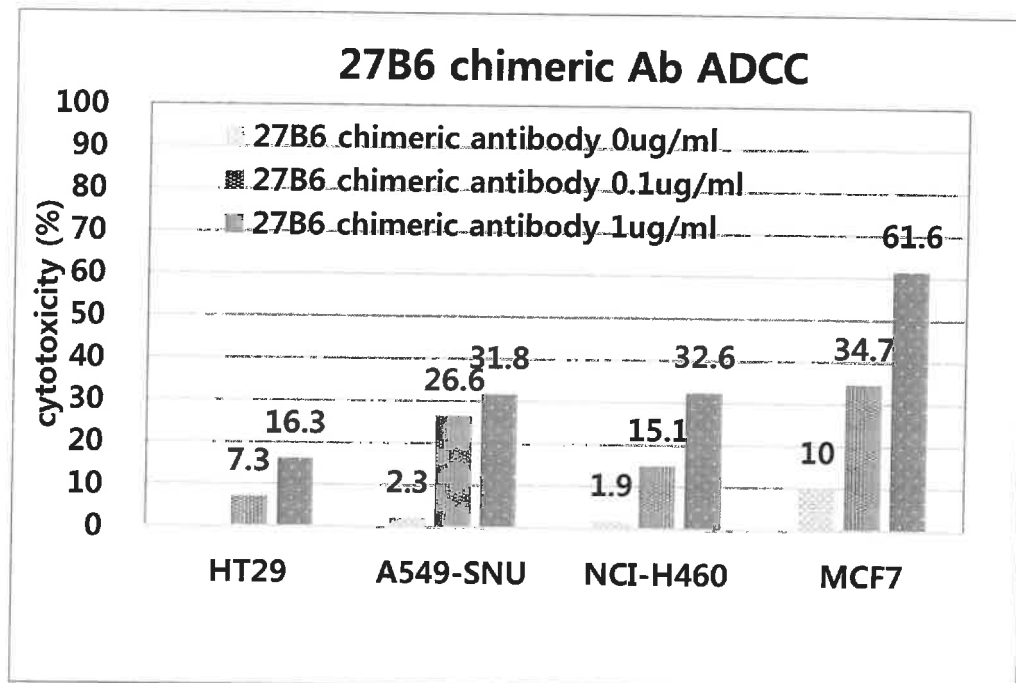


	4B4	27B6	hlgG
Background	0.011	0.022	0.012
CA12 full	1.991	2.27	1.827
CA12 N85	0.013	0.01	1.1
CA12 N151	0.014	0.047	0.996
CA12 N39	0.355	0.086	1.828
CA12 N58	0.02	0.021	0.026
CA12 N69	0.045	0.039	0.191
mock	0.016	0.038	0.007

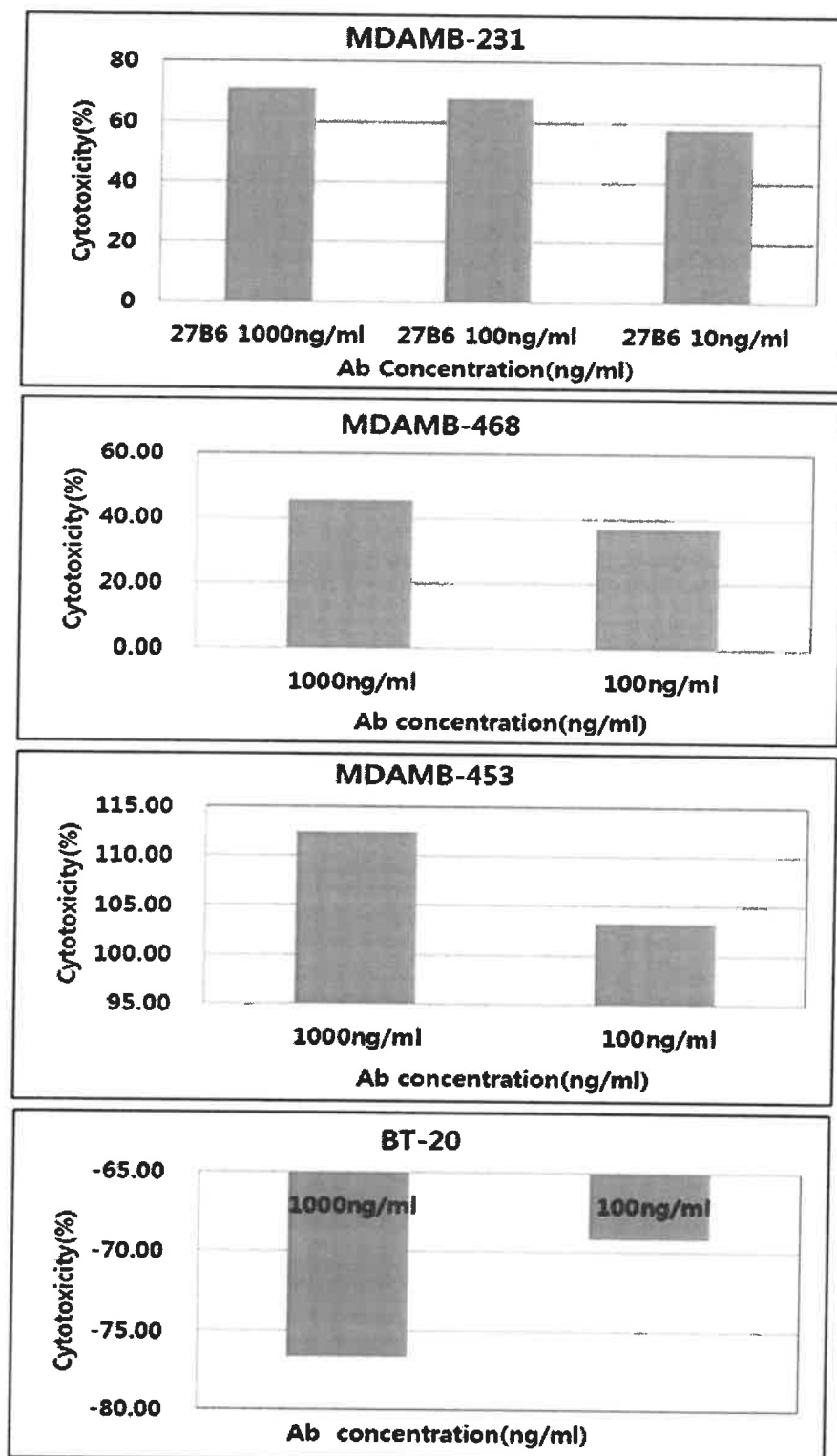
[Fig. 10]



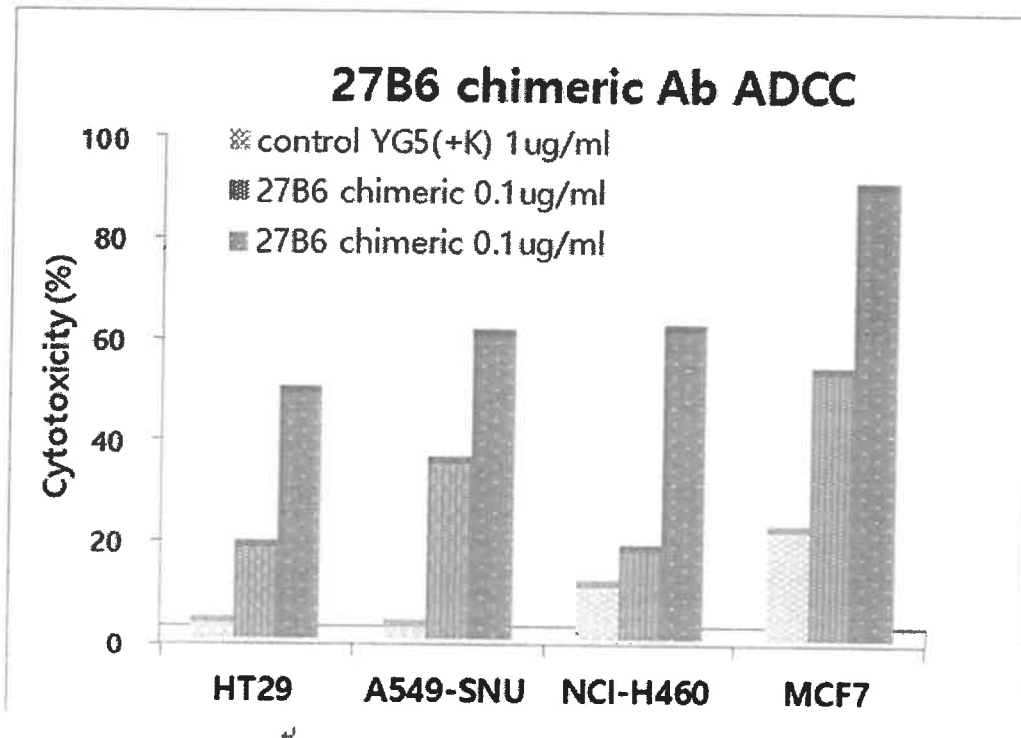
[Fig. 11]



[Fig. 12]



[Fig. 13]



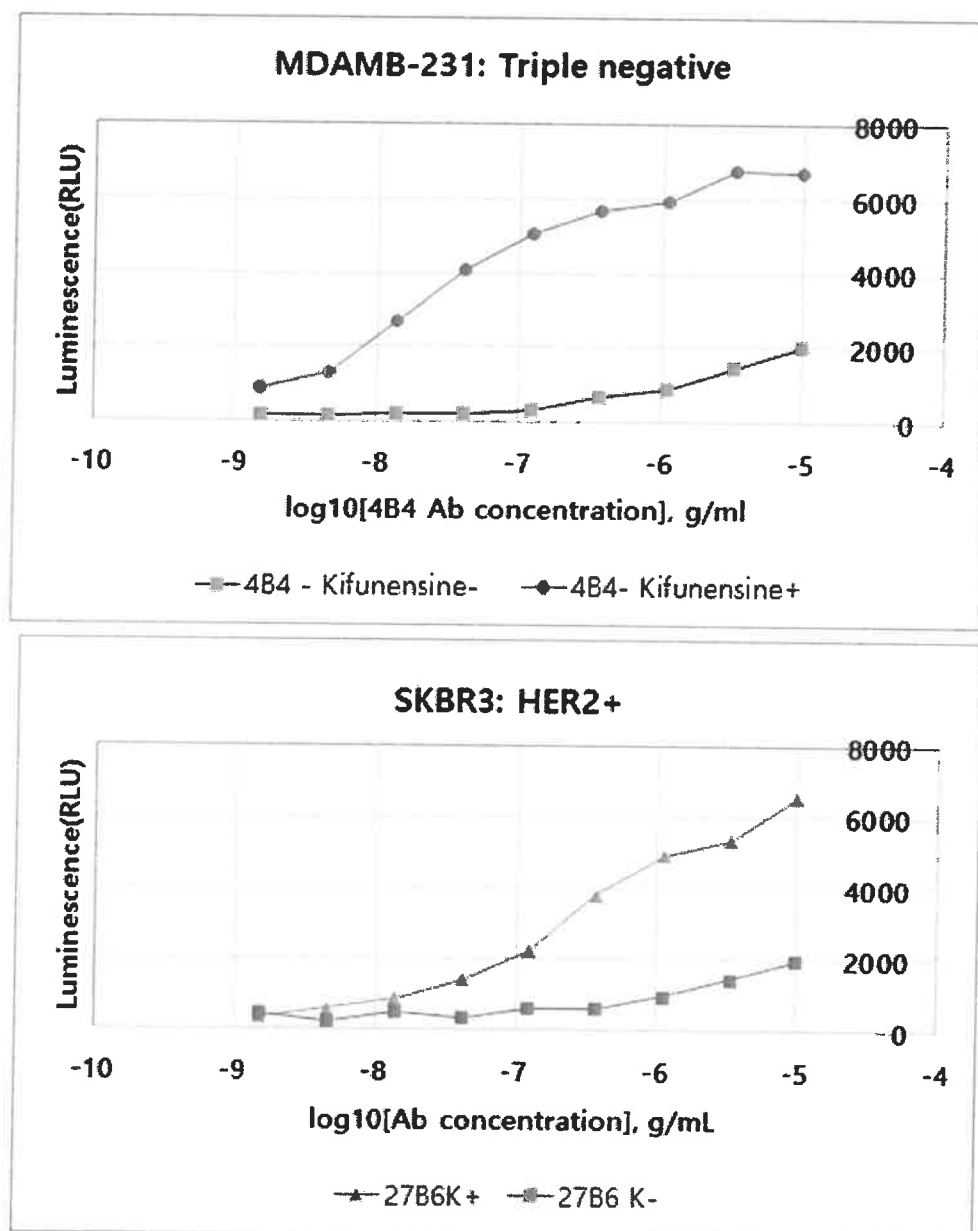
HT29: human colorectal adenocarcinoma ↵

A549: human lung adenocarcinoma ↵

NCI-H460: human non-small cell lung carcinoma↵

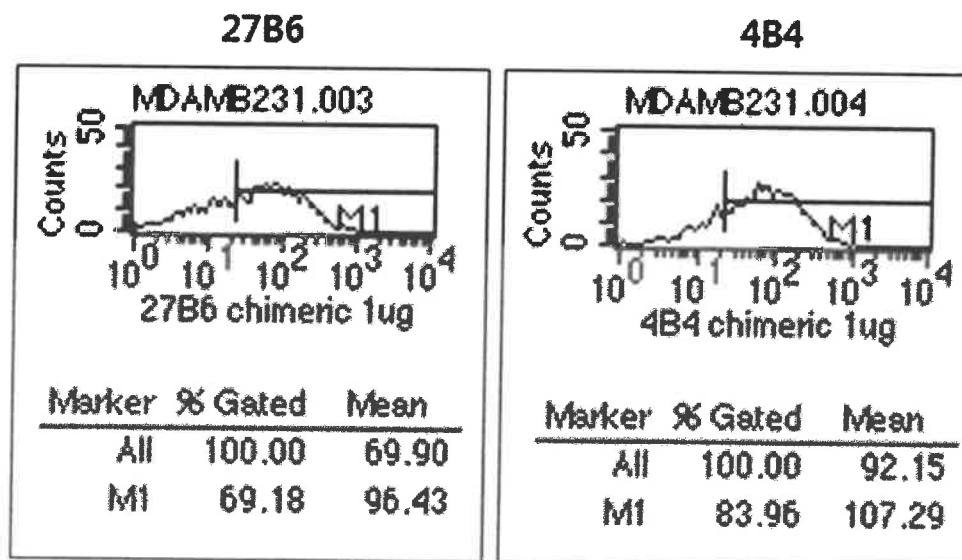
MCF7: human breast adenocarcinoma(ER+/ PR+/ ERBB2-)↵

[Fig. 14]

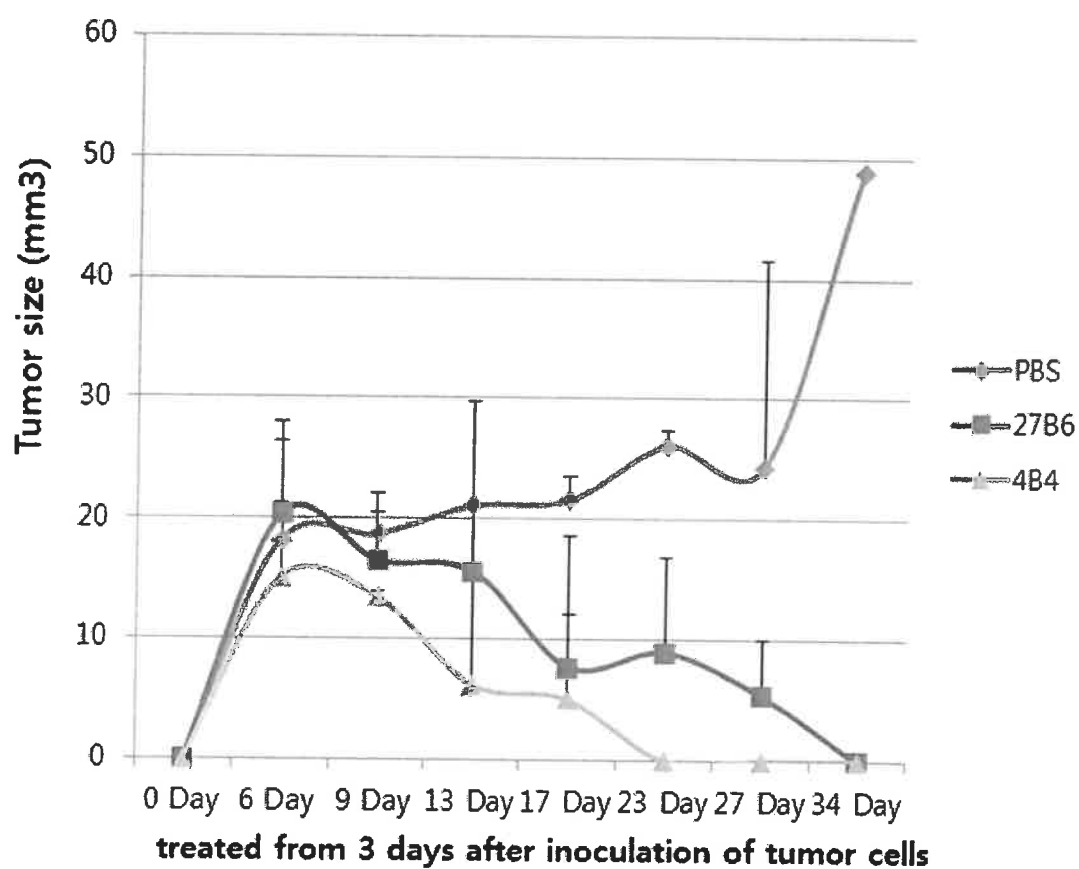


[Fig. 15]

CA12 expression on MDA-MB-231 cells

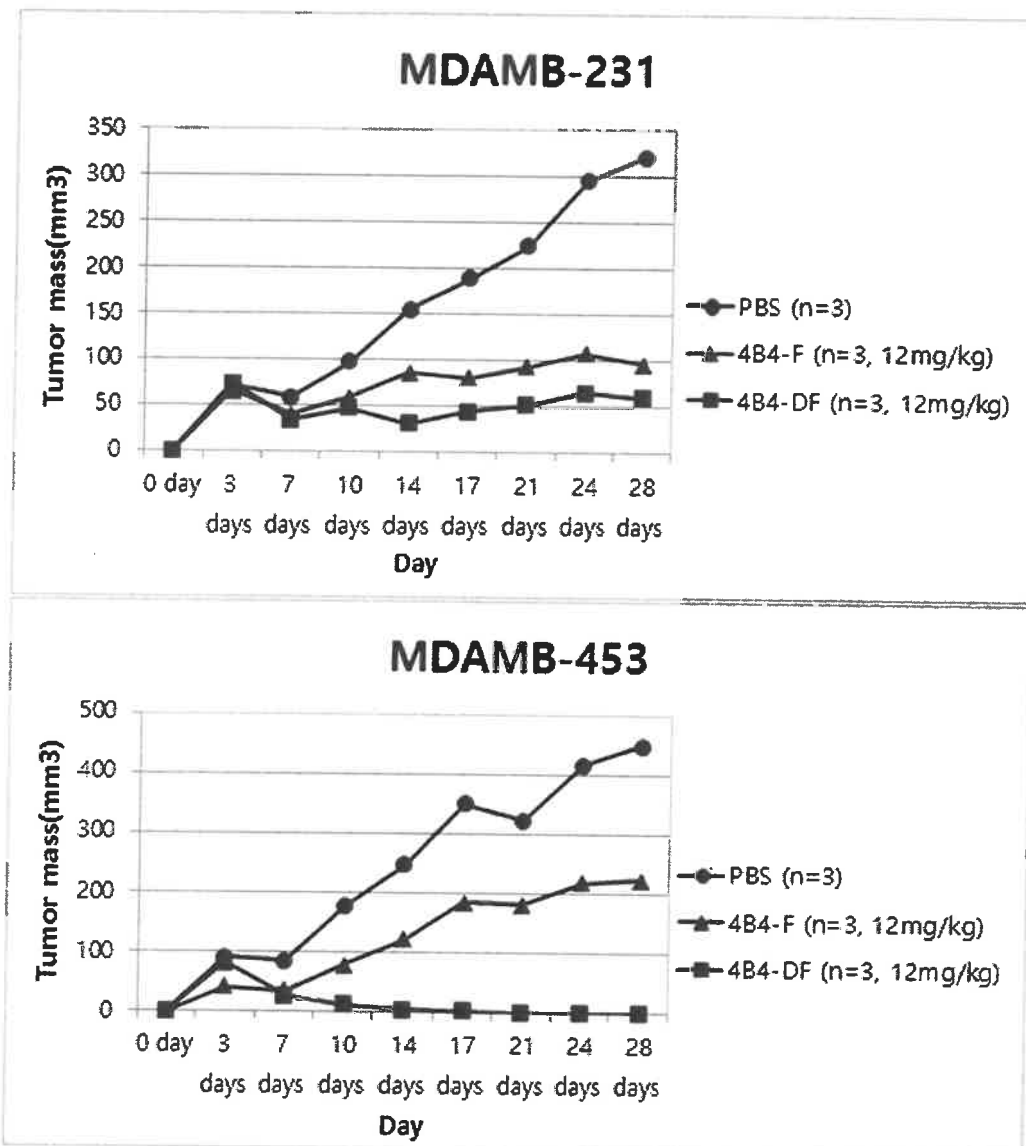


[Fig. 16]

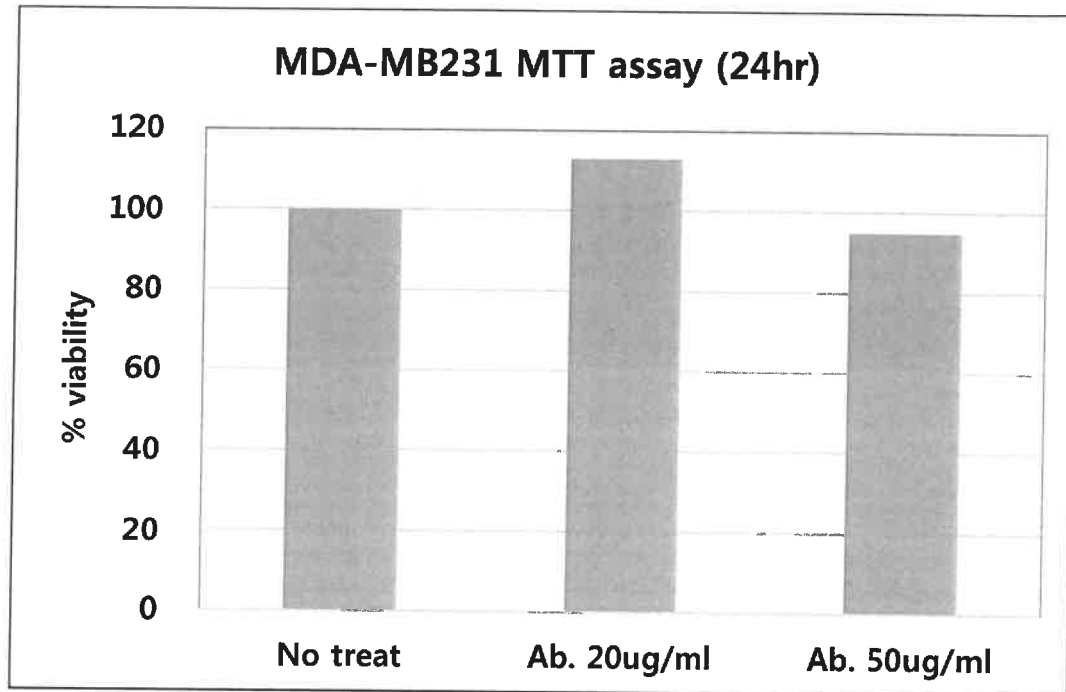


Cell line	MDAMB-231 (TNBC cell line)
Cell inoculation No.	1*10 ⁷
Injection site	S.C.-flank
Chimeric antibody	27B6, 4B4
Dose / injection time	12mg/kg, 3 time injection for 2 weeks/ I.P.

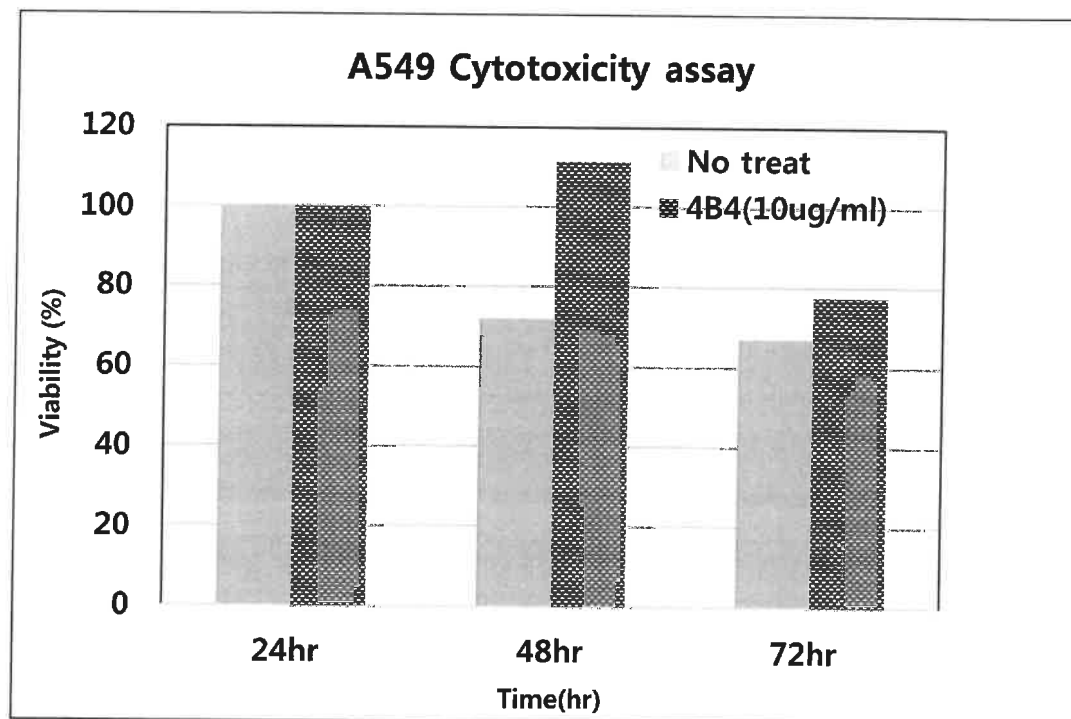
[Fig. 17]



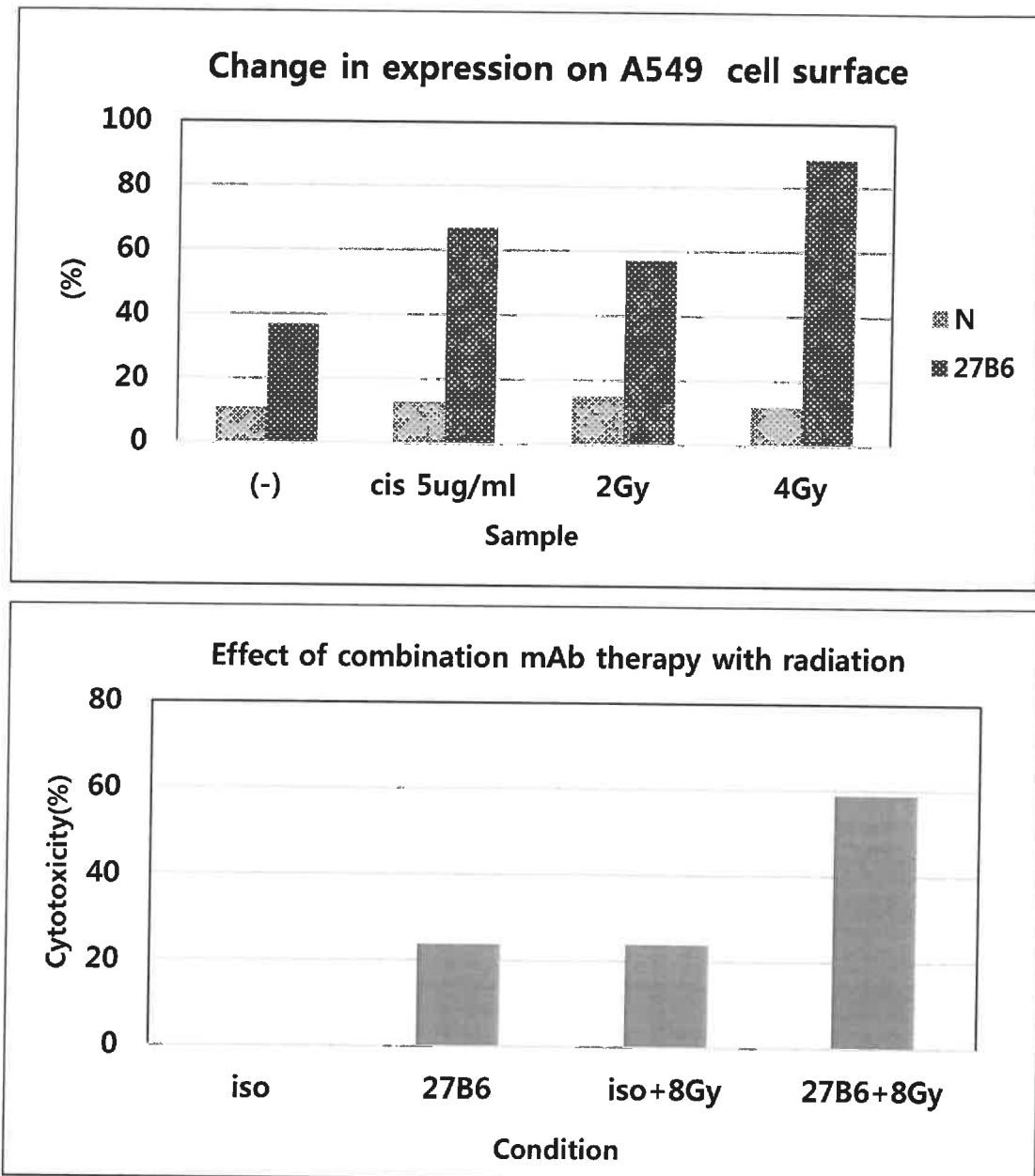
[Fig. 18]



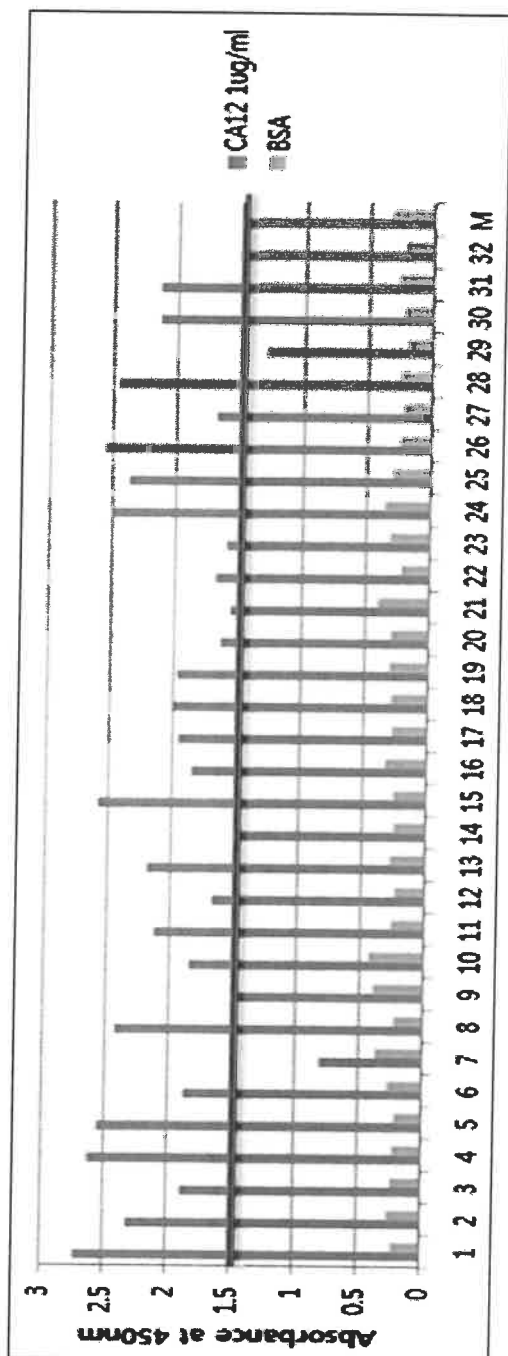
[Fig. 19]



[Fig. 20]



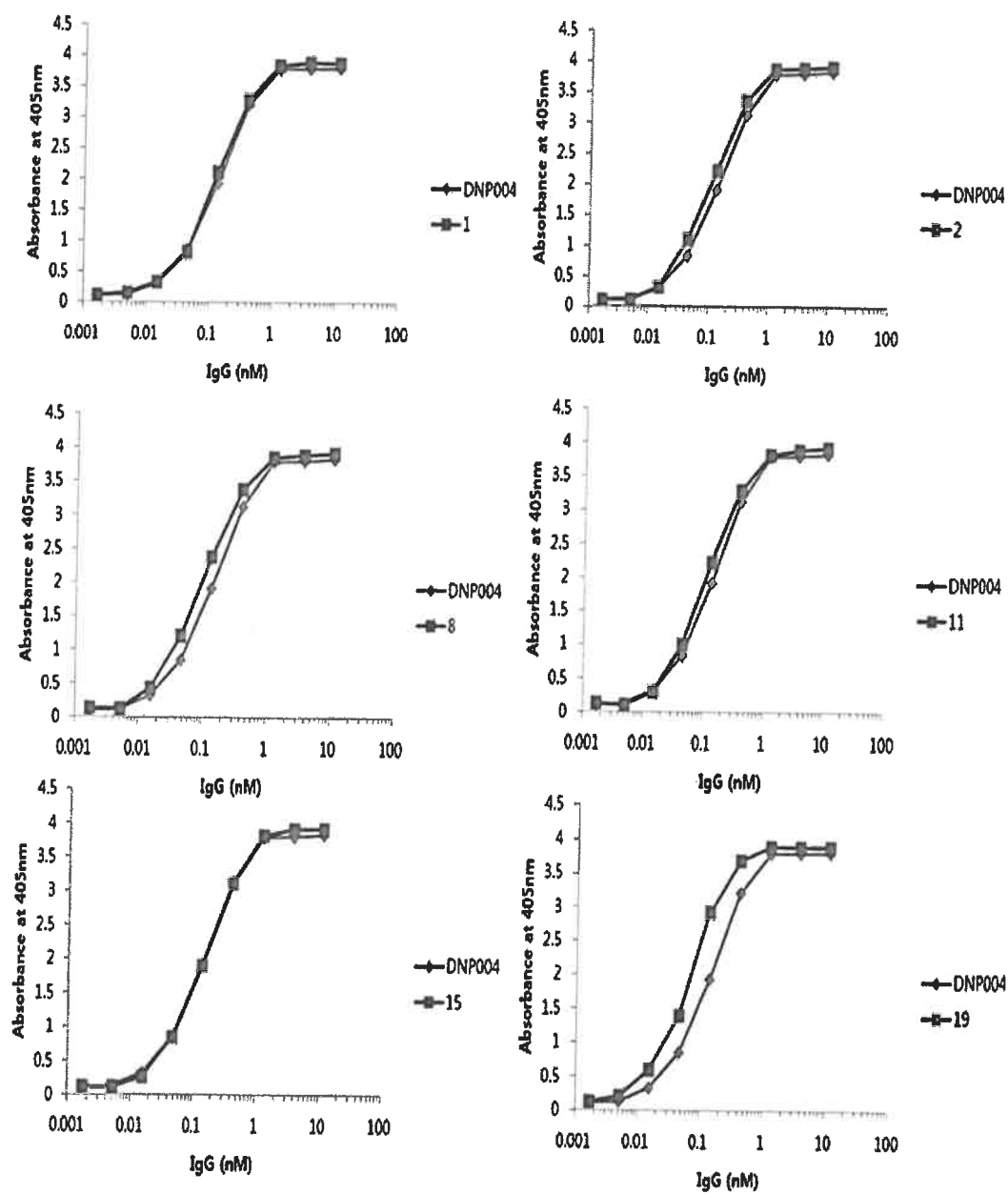
[Fig. 21]



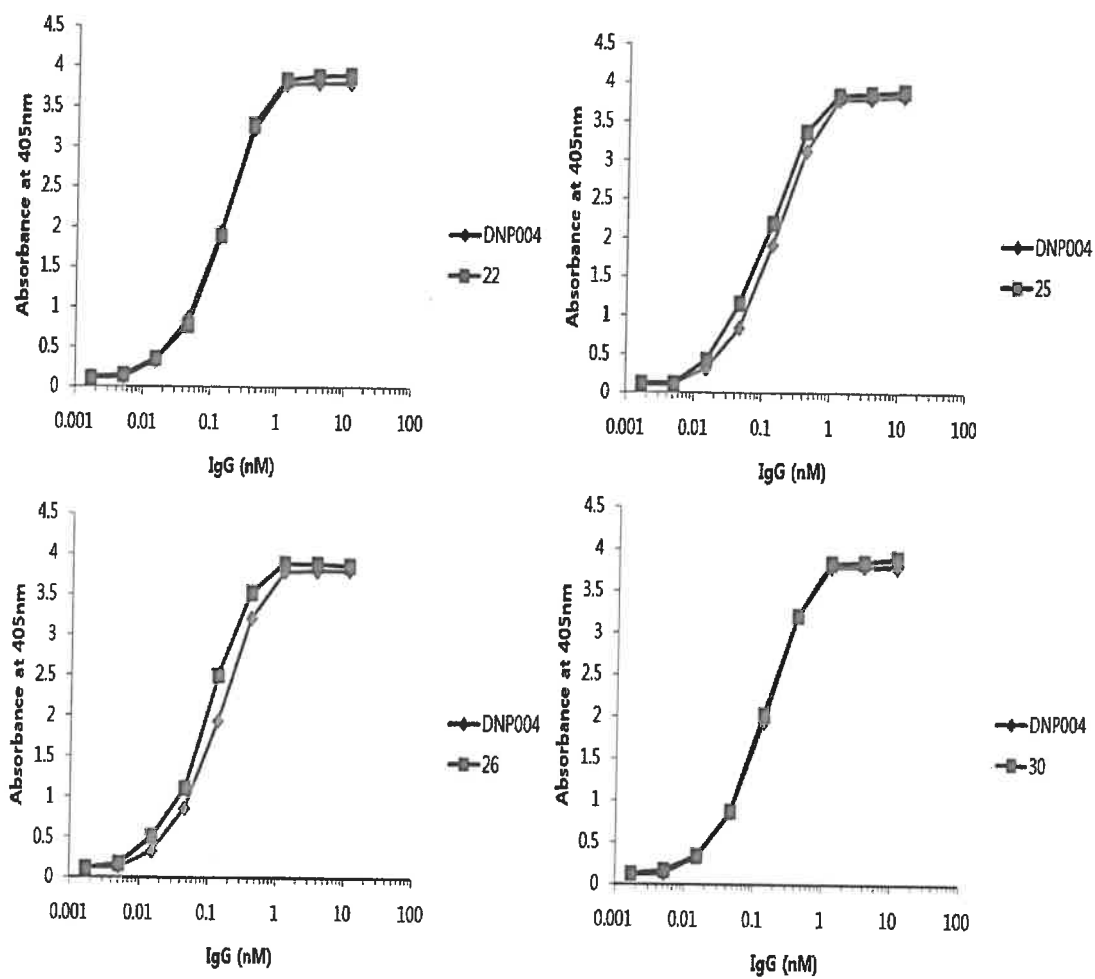
[Fig. 22]

		LCDR1	LCDR2
DNP004		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
1		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
2		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
8		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
11		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
15		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
19		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
22		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
25		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
26		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	
30		DIQMTQSPSSLSASVGDRVITITCRASSSVTYMHYQOKPKAPKPIVATSSLASVPSRFSGSGGCTDFTLTISSLQPEDFATYYCQWSSNPLTFGGQTKVEIK	

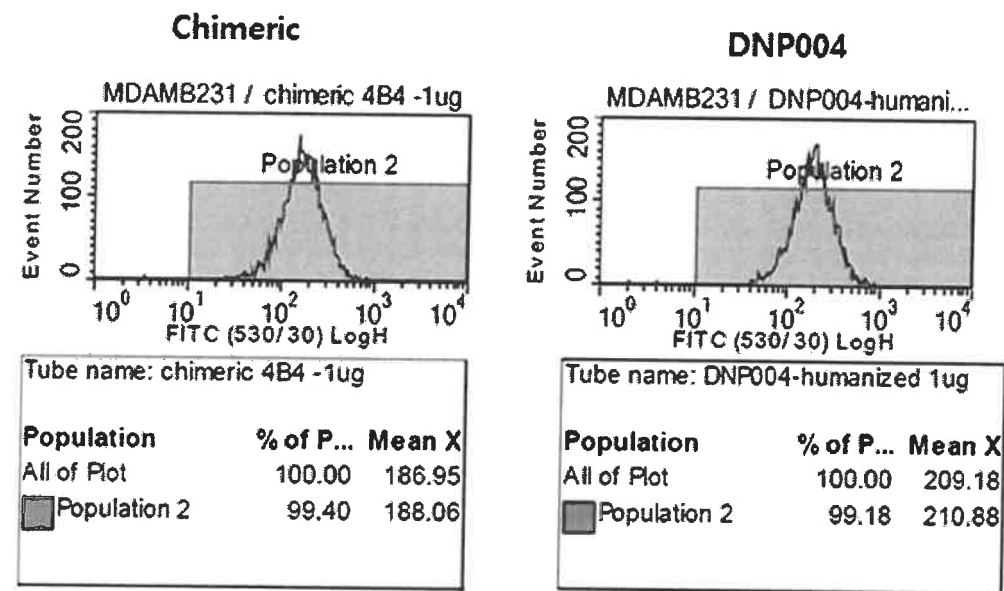
[Fig. 23]



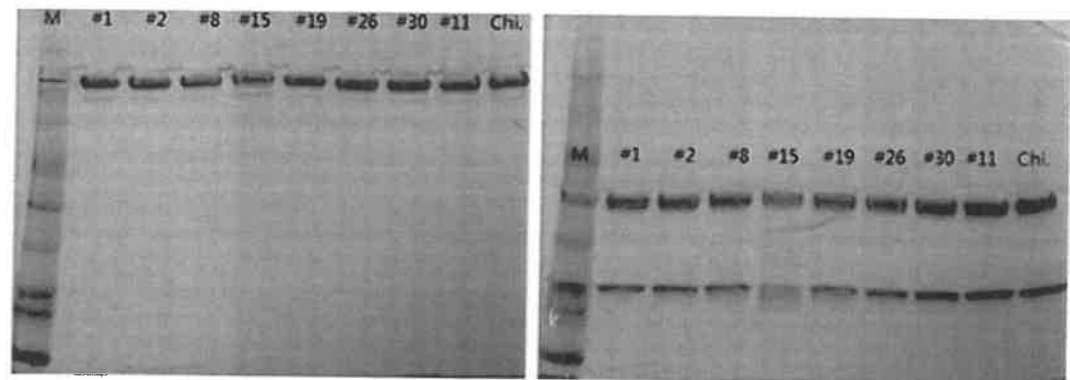
[Fig. 24]



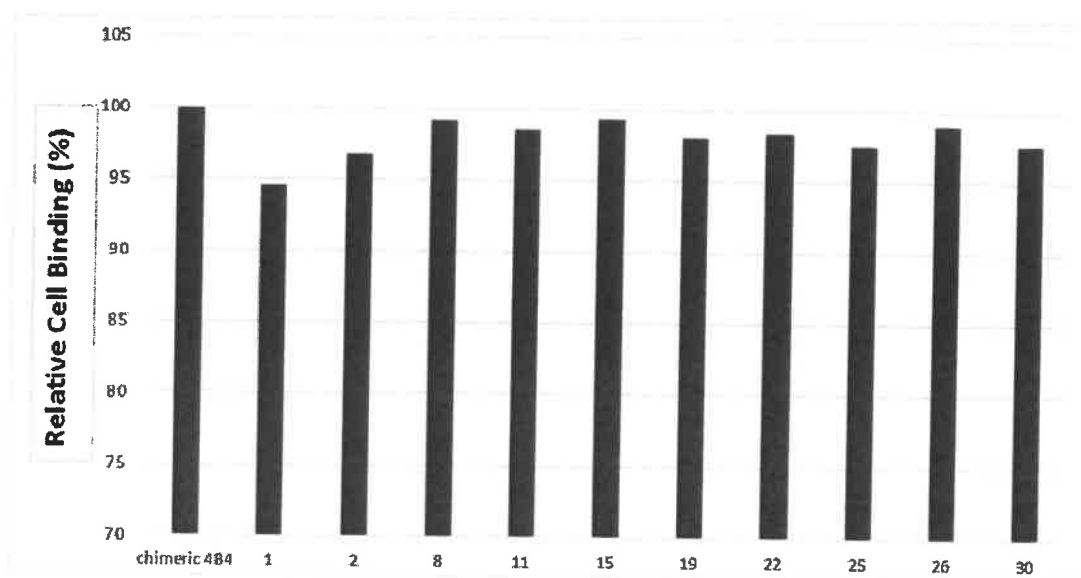
[Fig. 25]



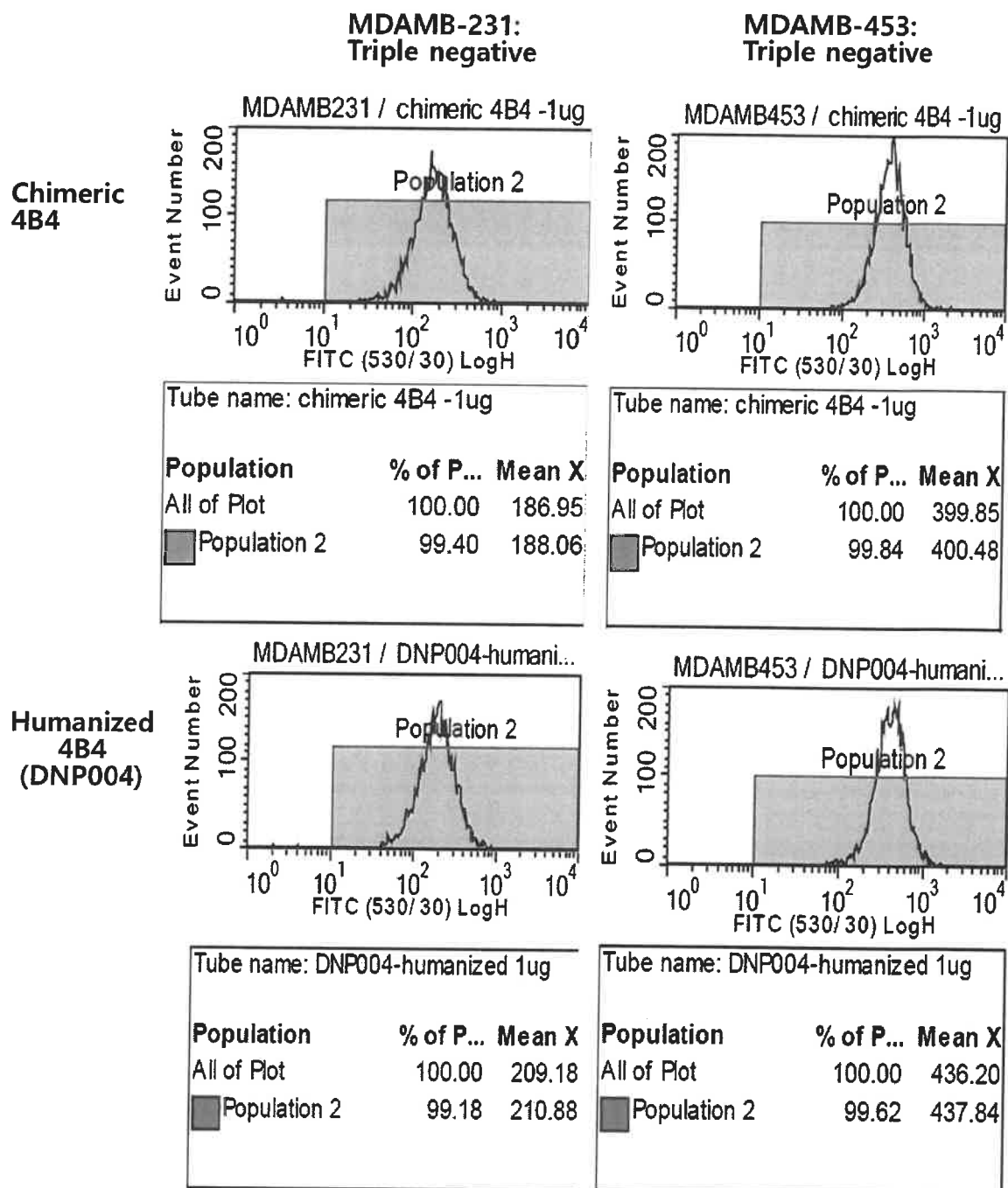
[Fig. 26]



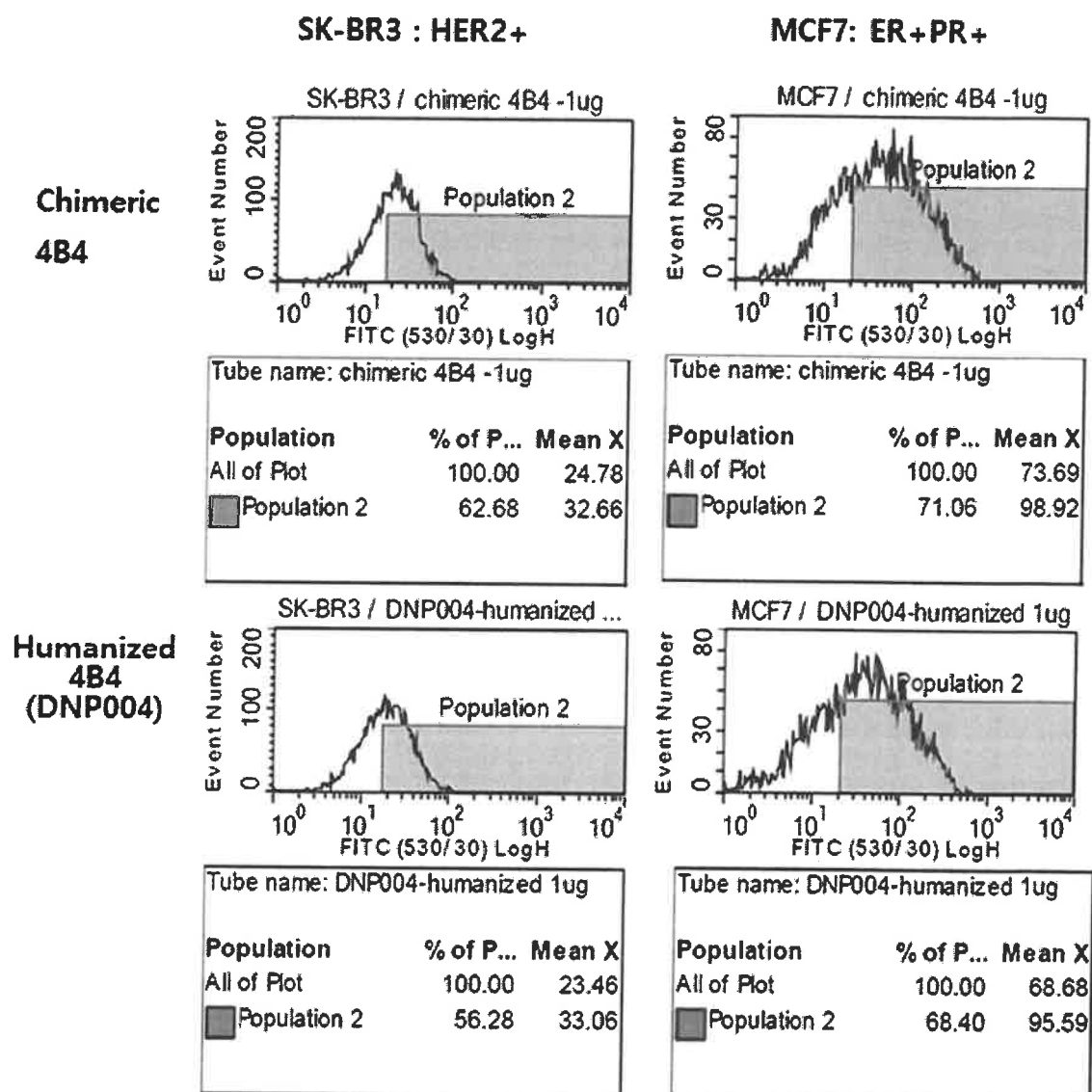
[Fig. 27]



[Fig. 28]



[Fig. 29]

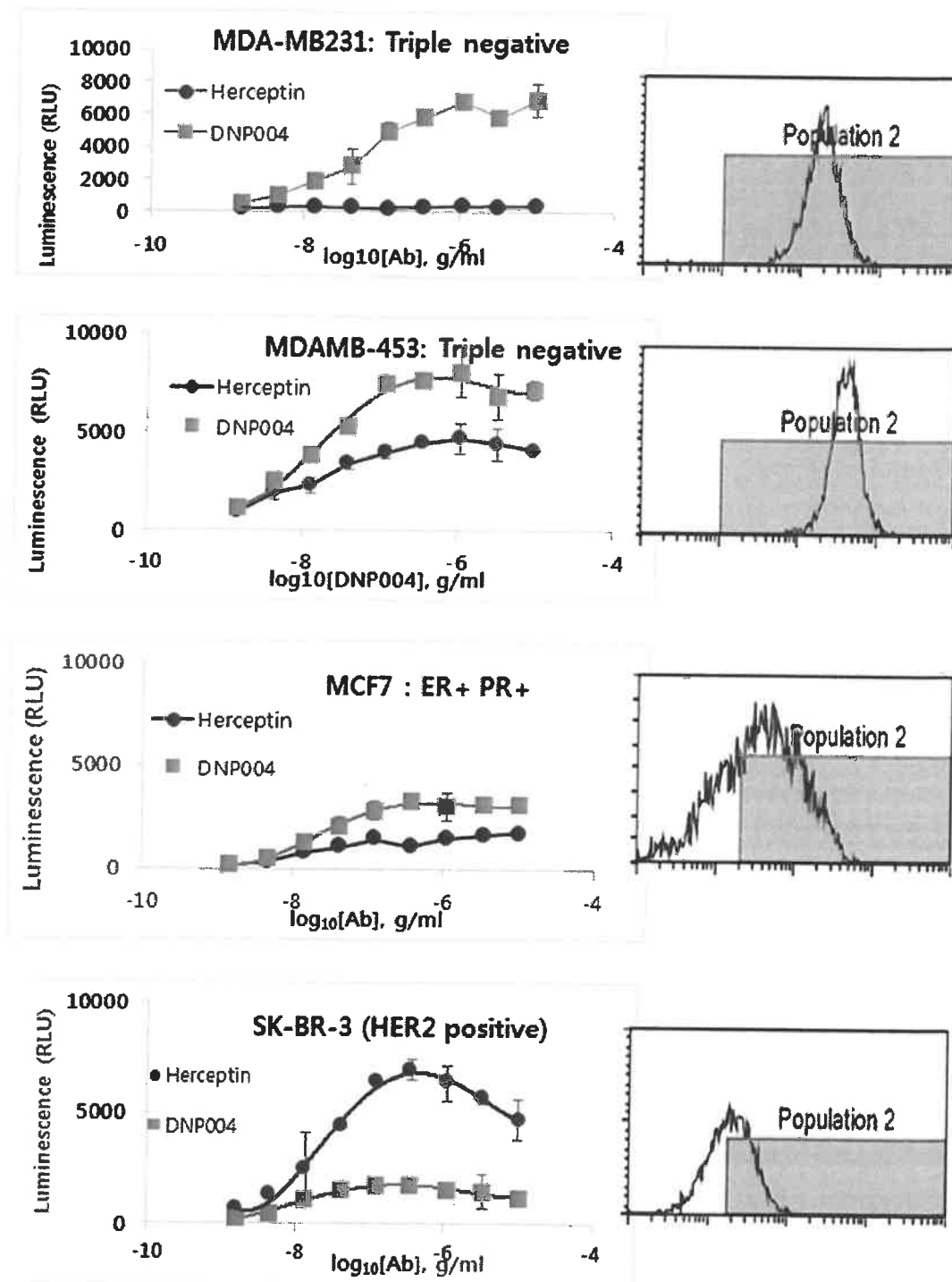


ER: Estrogen receptor

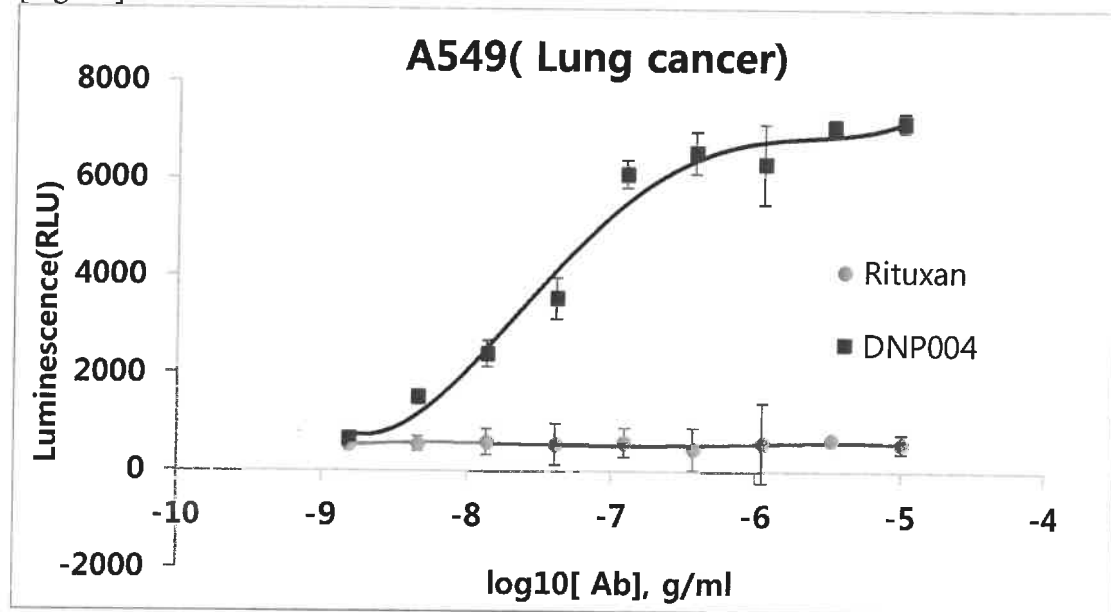
PR: Progesteron Receptor

HER2: Human Epidermal Growth Factor Receptor2

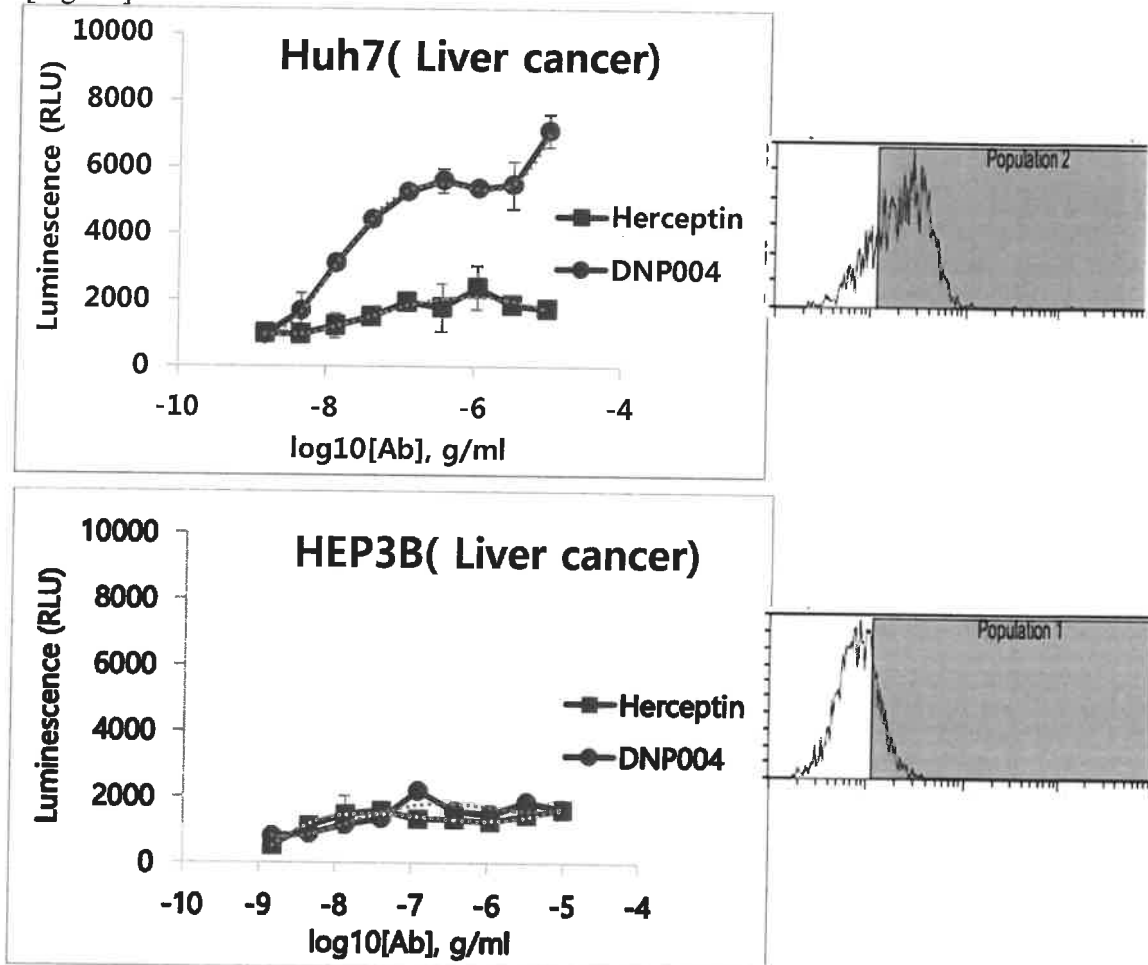
[Fig. 30]



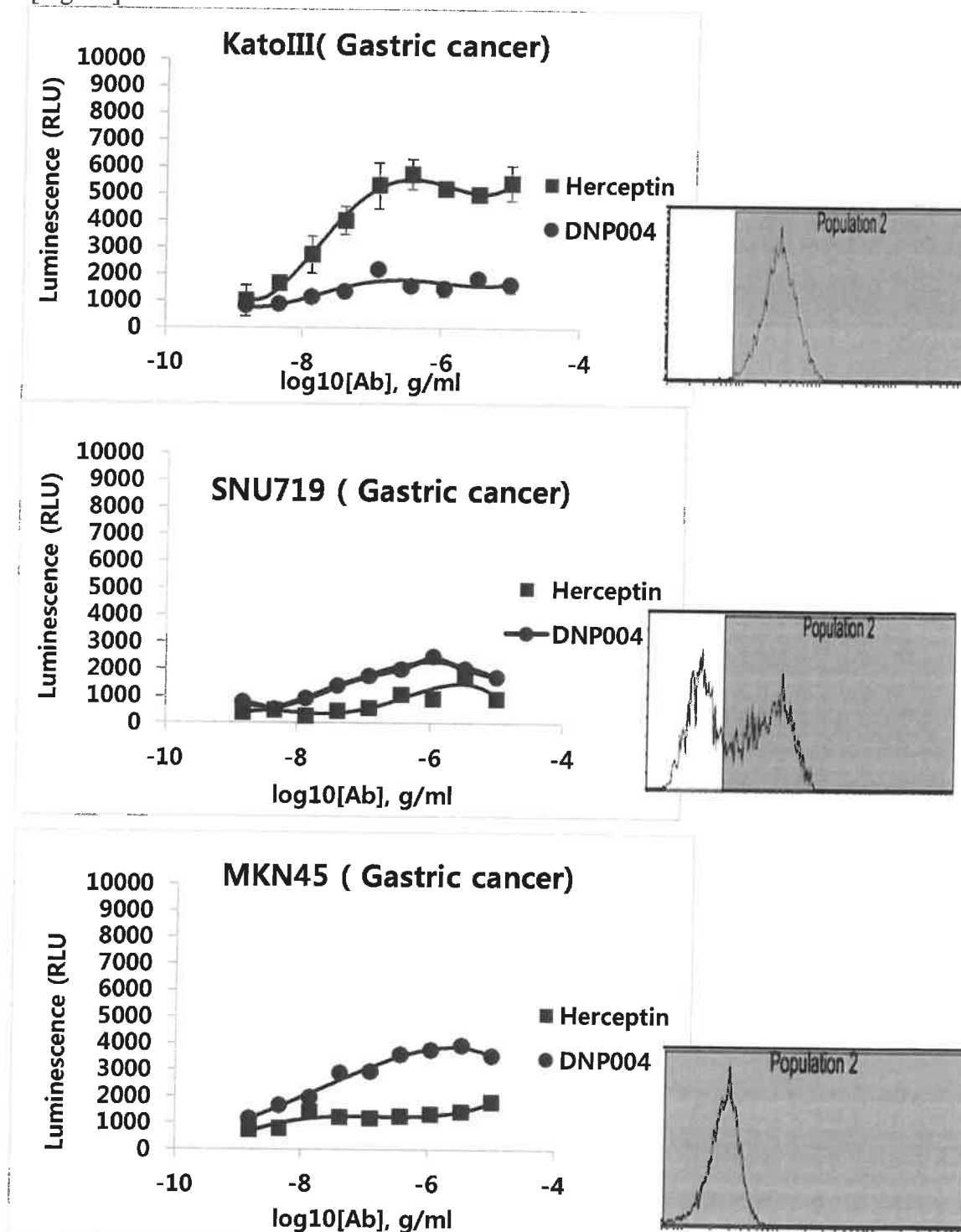
[Fig. 31]



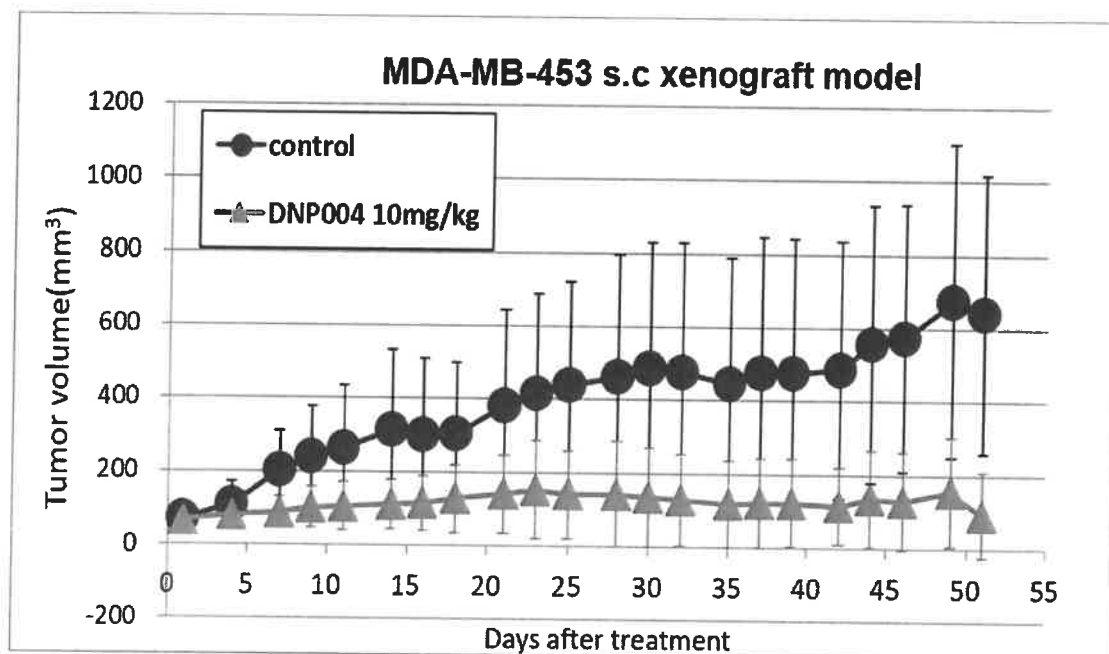
[Fig. 32]



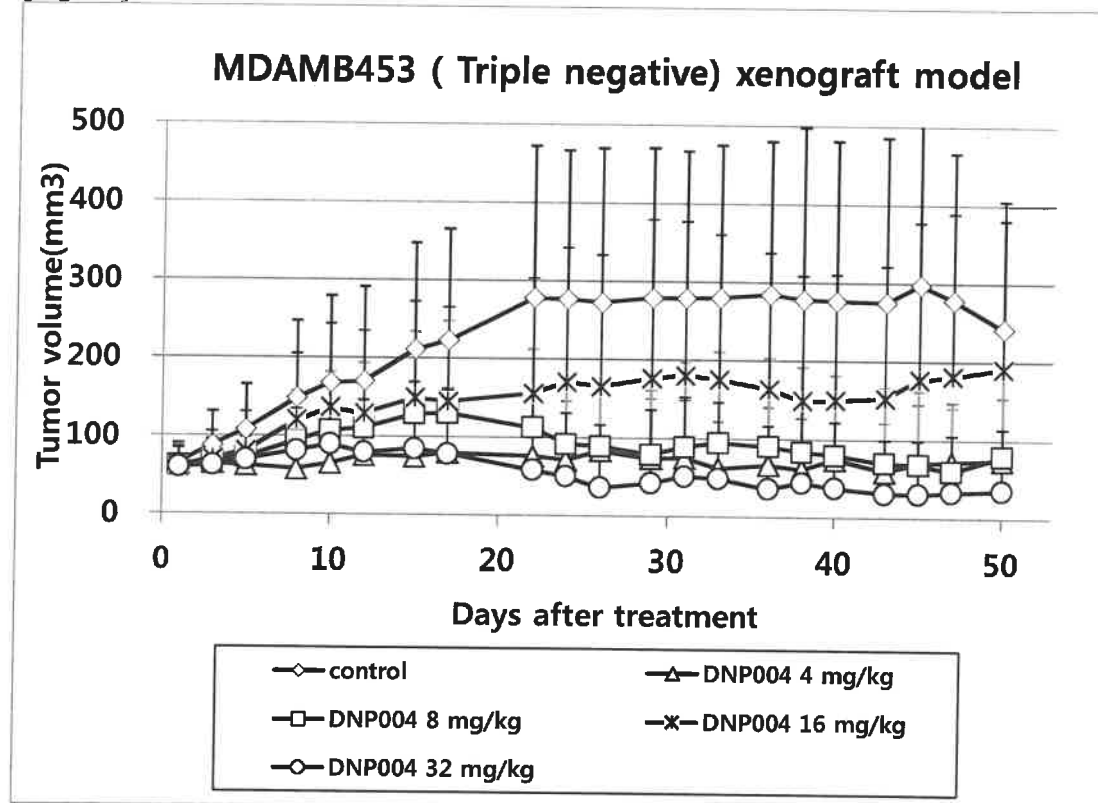
[Fig. 33]



[Fig. 34]



[Fig. 35]



[Fig. 36]

