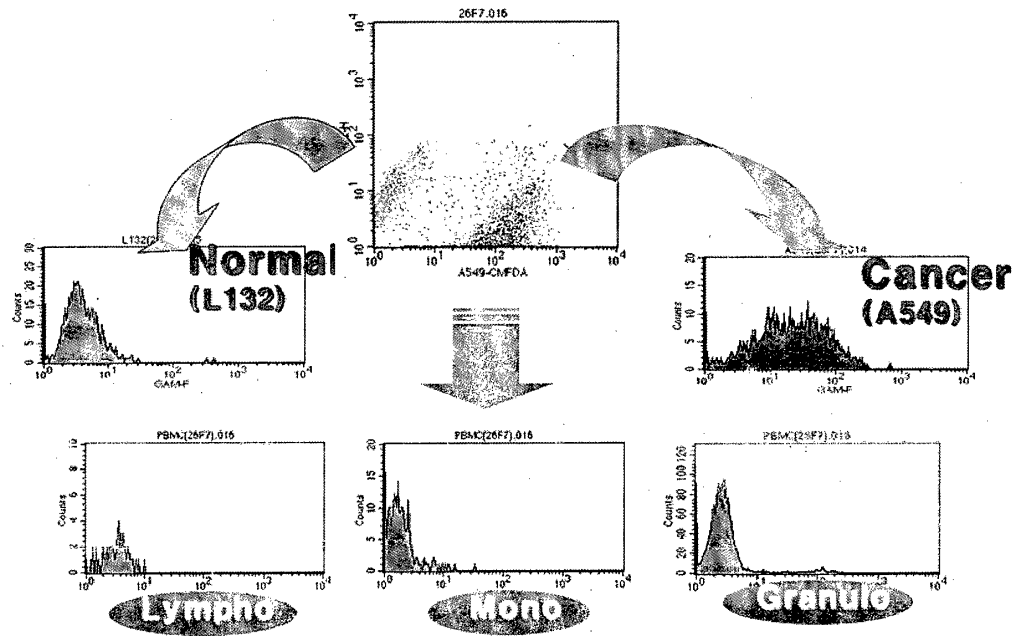
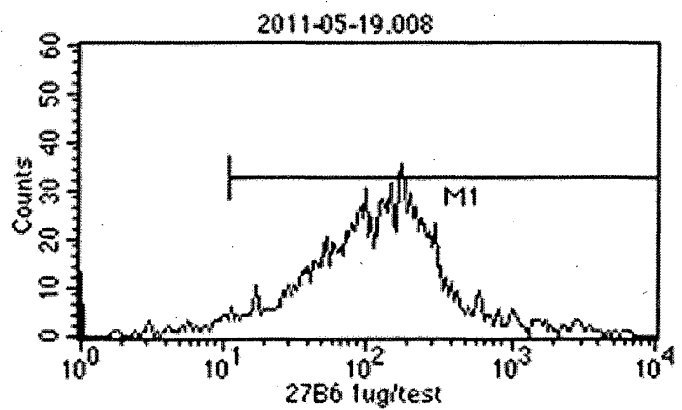


【도면】

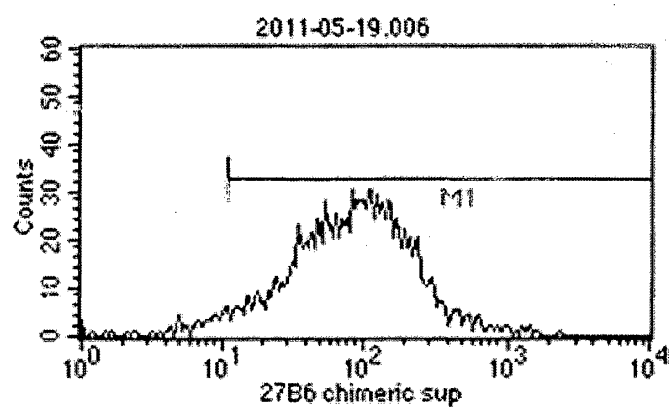
【도 1】



【도 2】



| Marker | % Gated | Mean   |
|--------|---------|--------|
| All    | 100.00  | 195.55 |
| M1     | 97.70   | 200.00 |

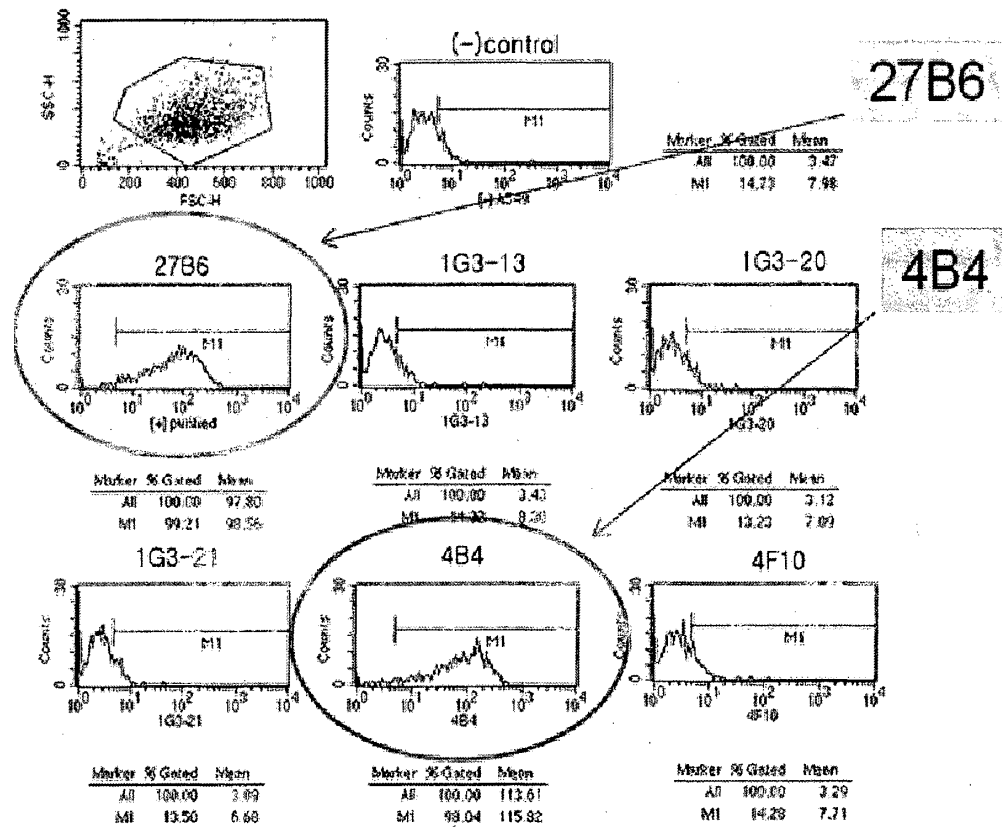


| Marker | % Gated | Mean   |
|--------|---------|--------|
| All    | 100.00  | 111.58 |
| M1     | 97.20   | 114.57 |

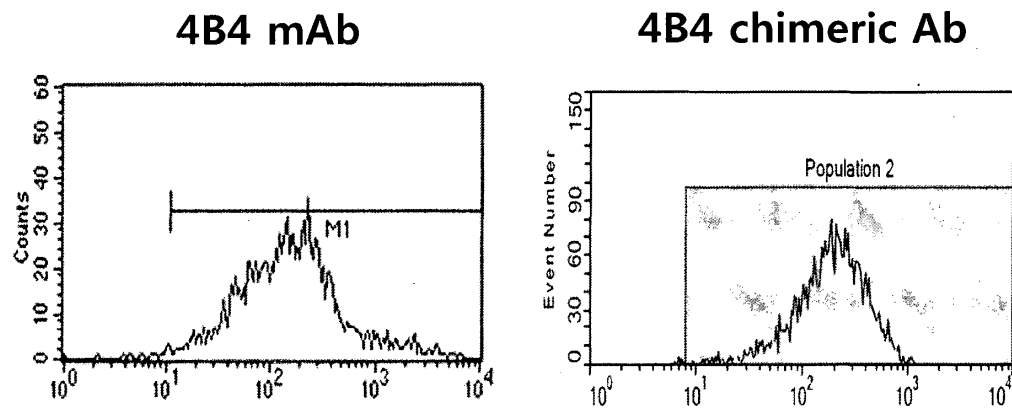
【도 3】

## 27B6 pairing Ab fusion clones screening

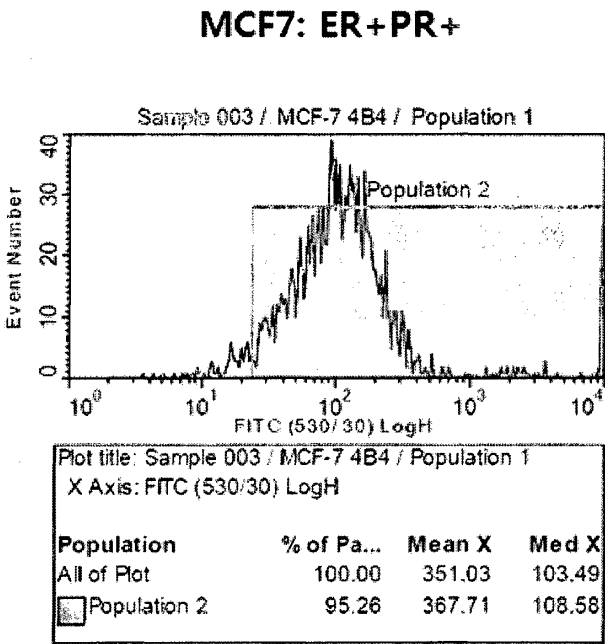
Partner cell: A549-SNU



【도 4】

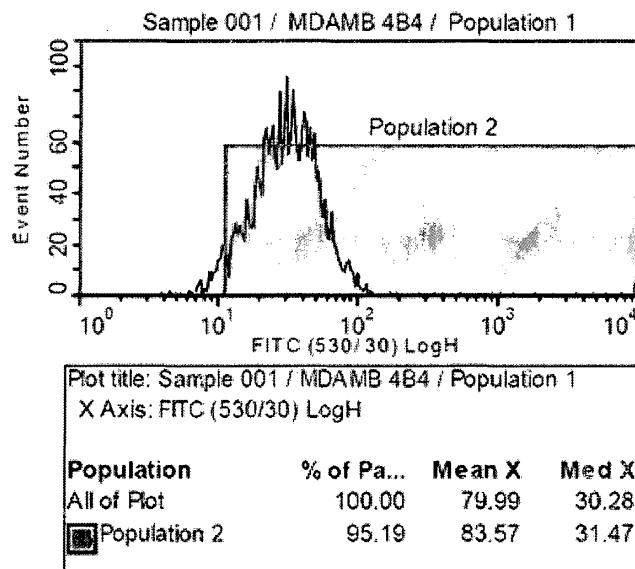


【도 5a】



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

【도 5b】

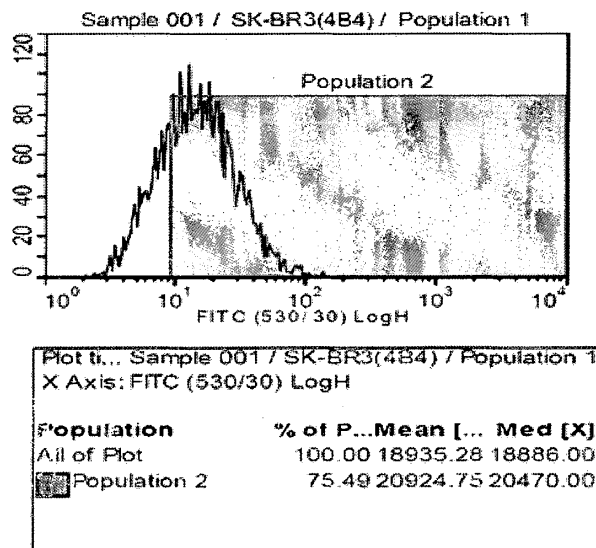
**MDAMB231: triple negative**

ER: Estrogen receptor

PR: Progesterone Receptor

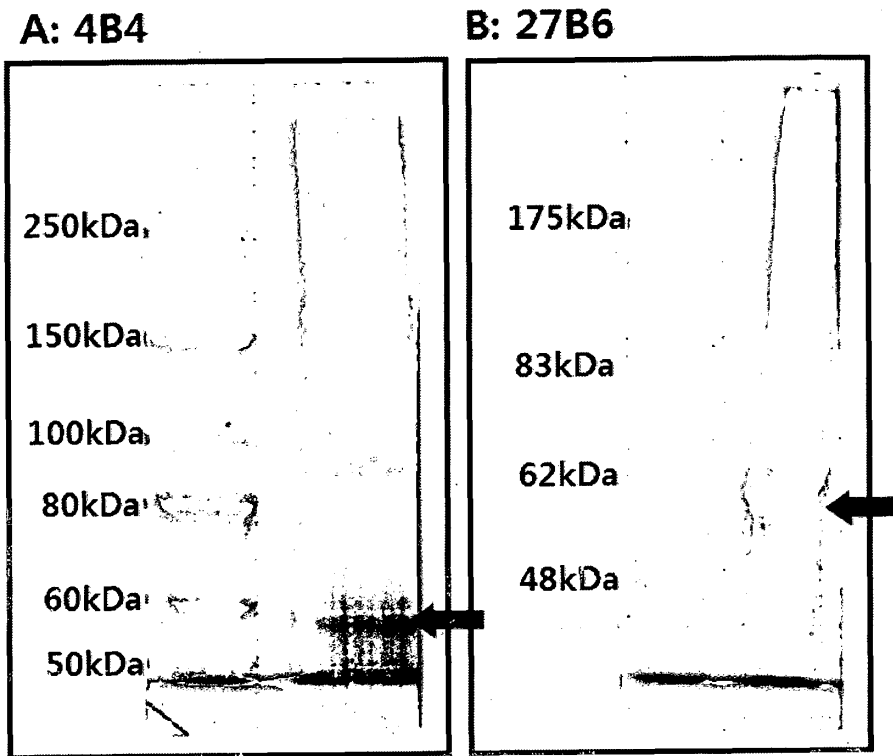
HER2: human epidermal growth  
factor receptor 2

【도 5c】

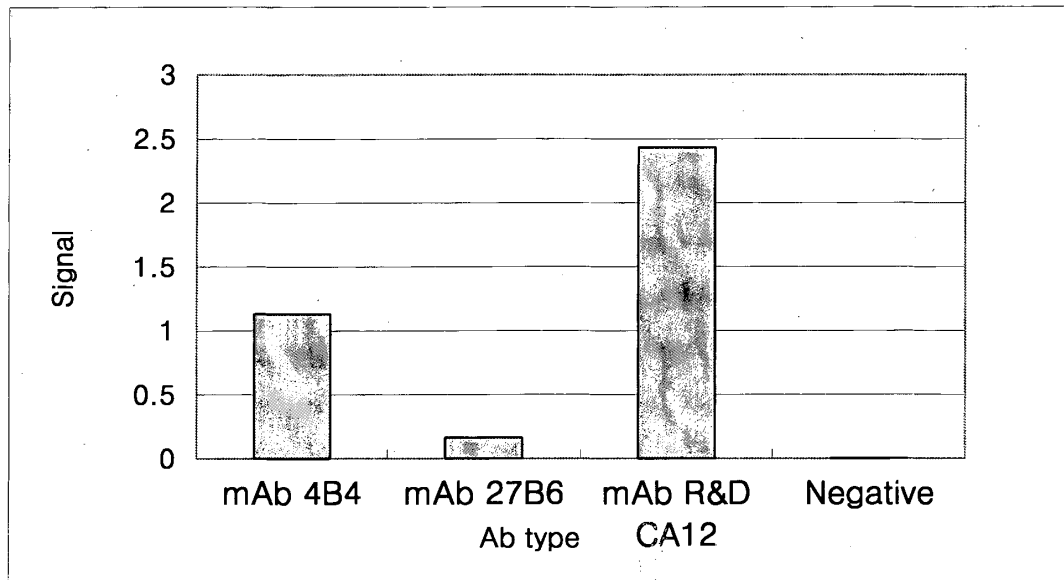
**SKBR3: HER2+**

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

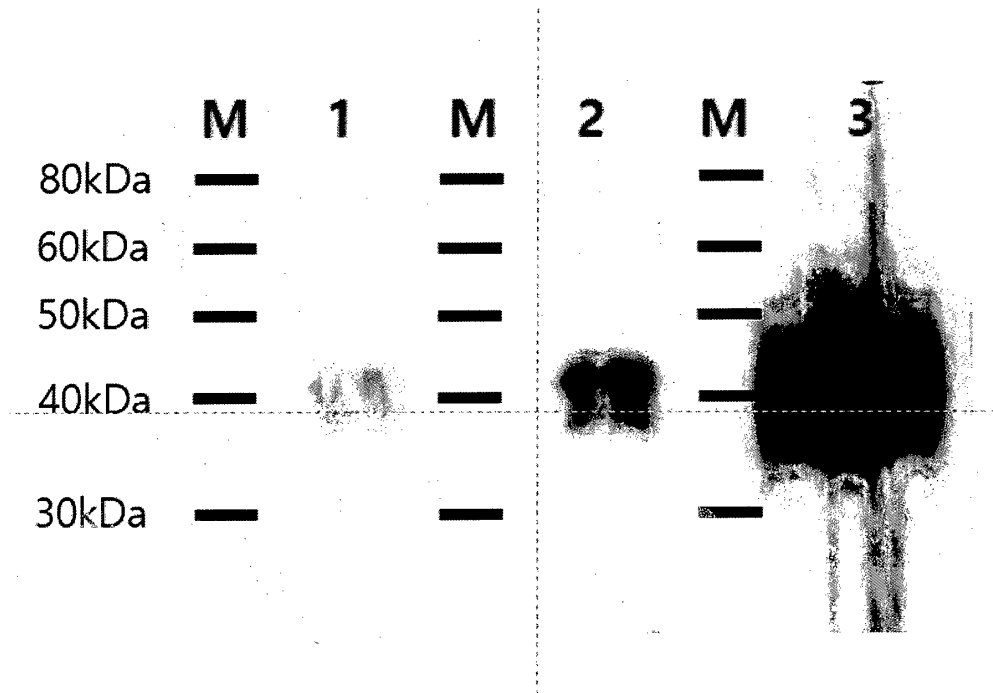
【도 6】



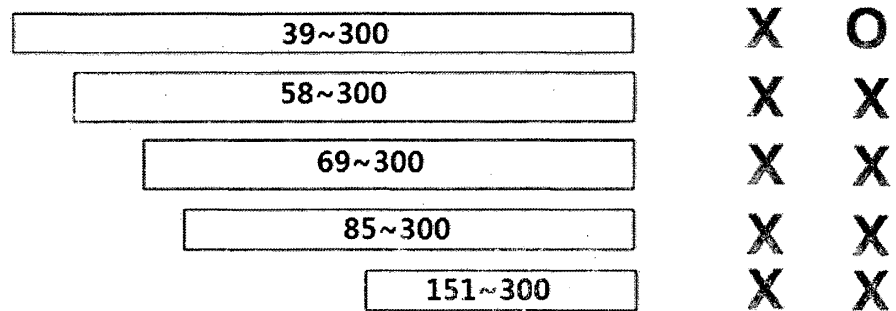
【도 7】



【도 8】

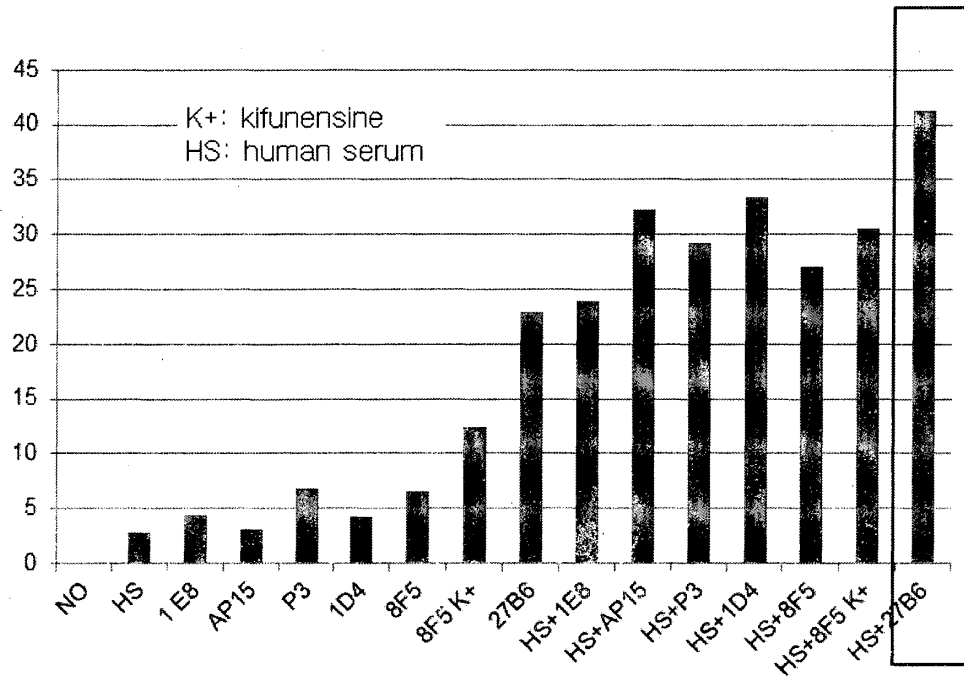


【도 9】

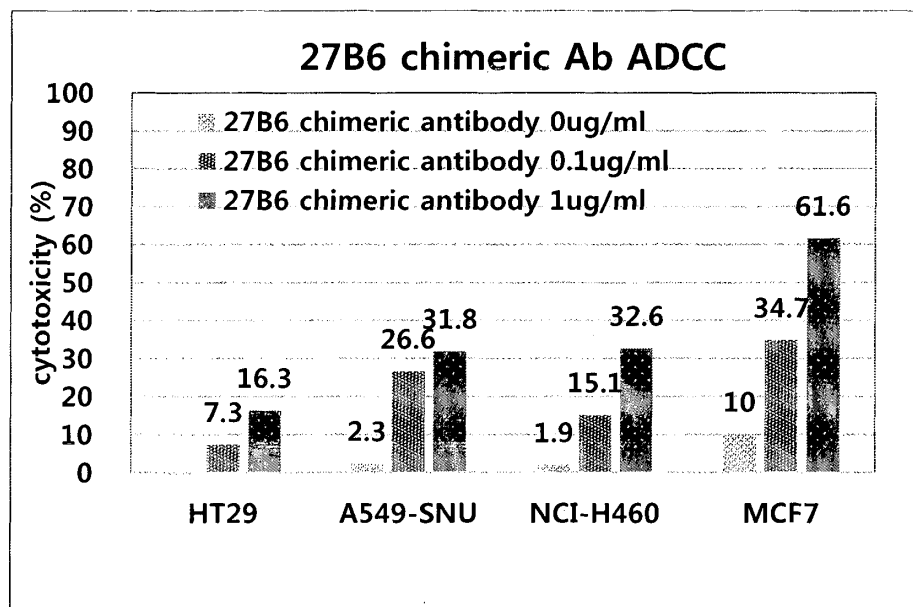


|            | 4B4   | 27B6  | hlgG  |
|------------|-------|-------|-------|
| Background | 0.011 | 0.022 | 0.012 |
| CA12 full  | 1.991 | 2.27  | 1.827 |
| CA12 N85   | 0.013 | 0.01  | 1.1   |
| CA12 N151  | 0.014 | 0.047 | 0.996 |
| CA12 N39   | 0.355 | 0.086 | 1.828 |
| CA12 N58   | 0.02  | 0.021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

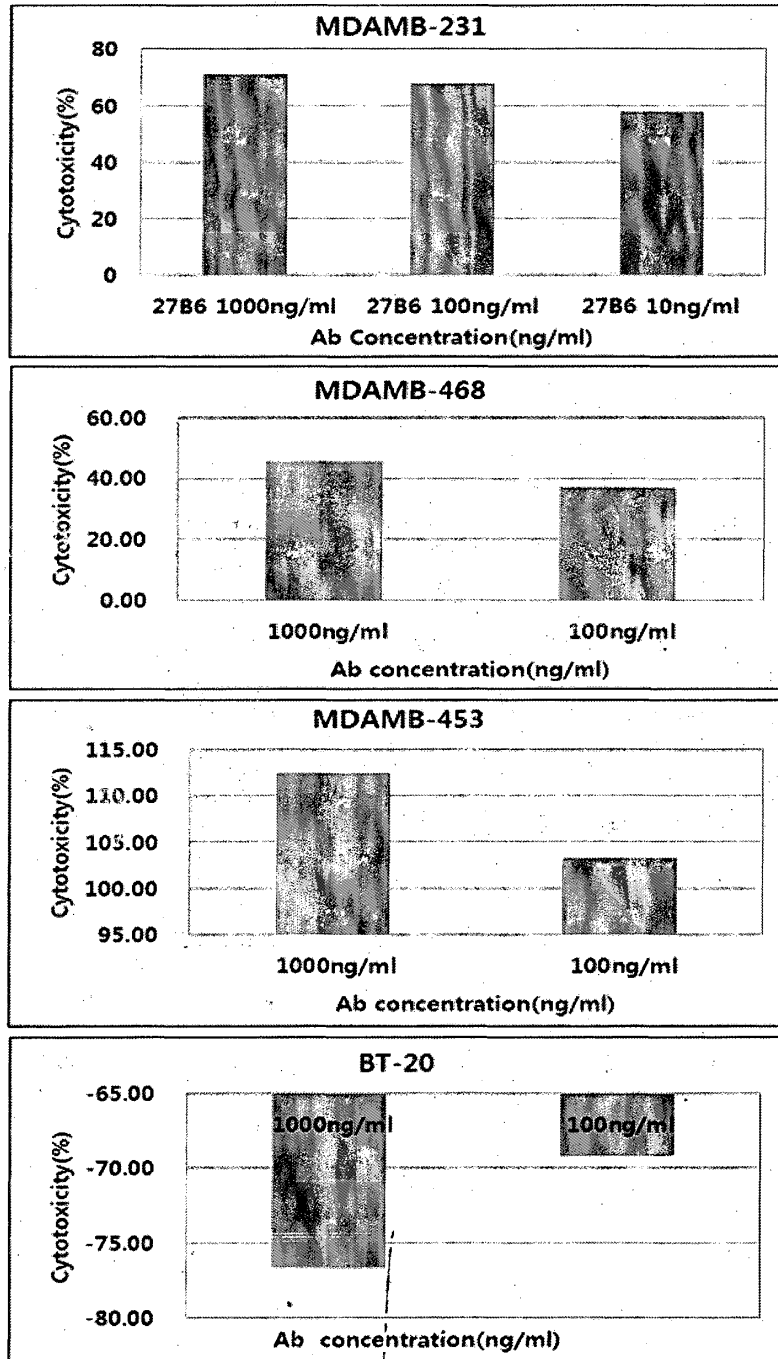
【도 10】



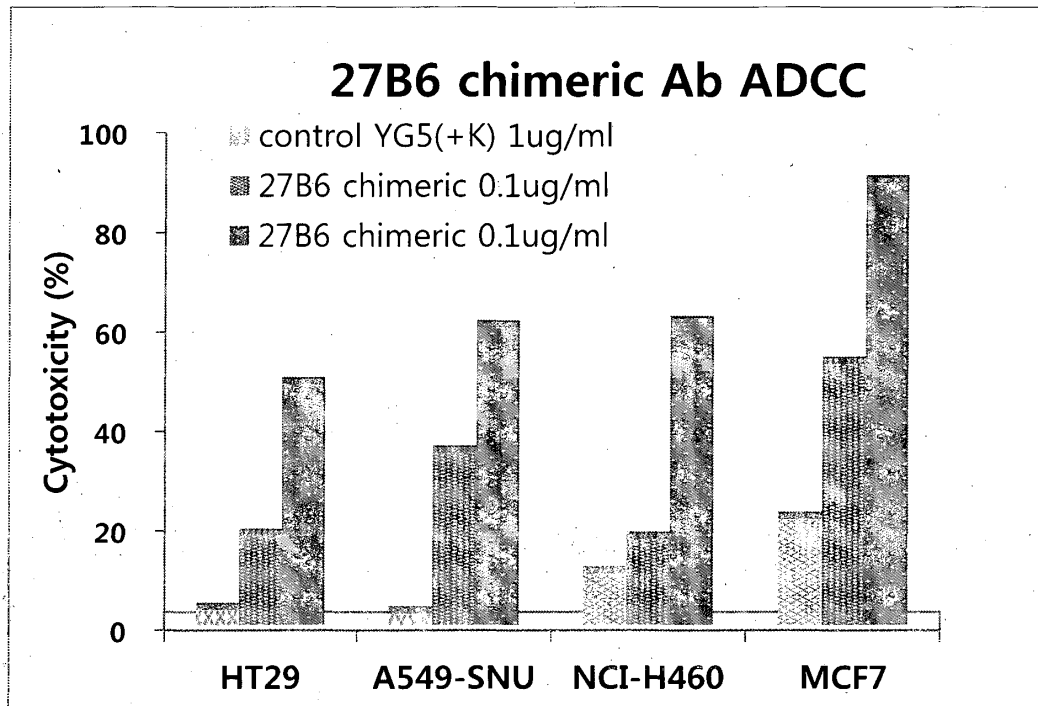
【도 11】



【도 12】



【도 13】



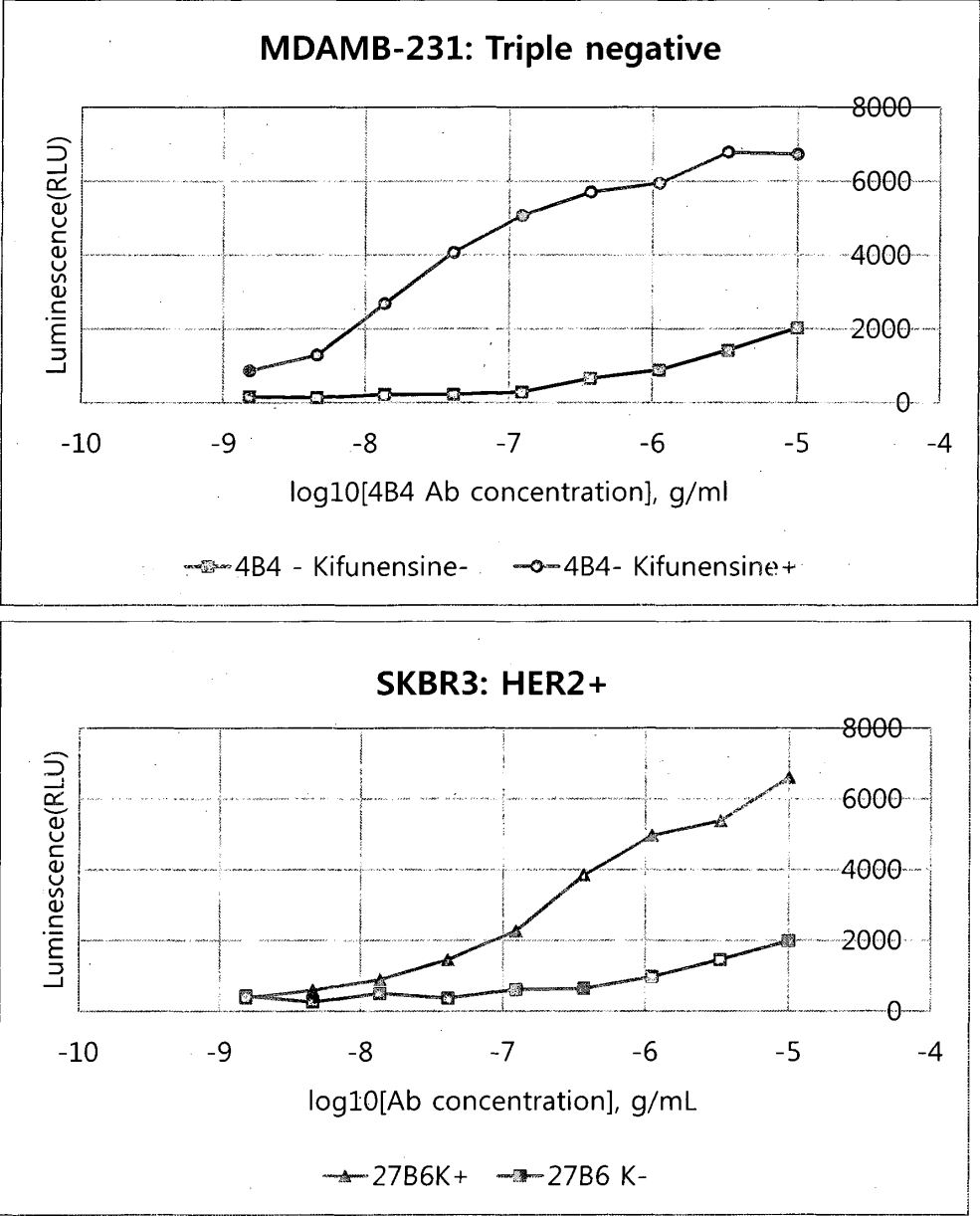
HT29: human colorectal adenocarcinoma

A549: human lung adenocarcinoma

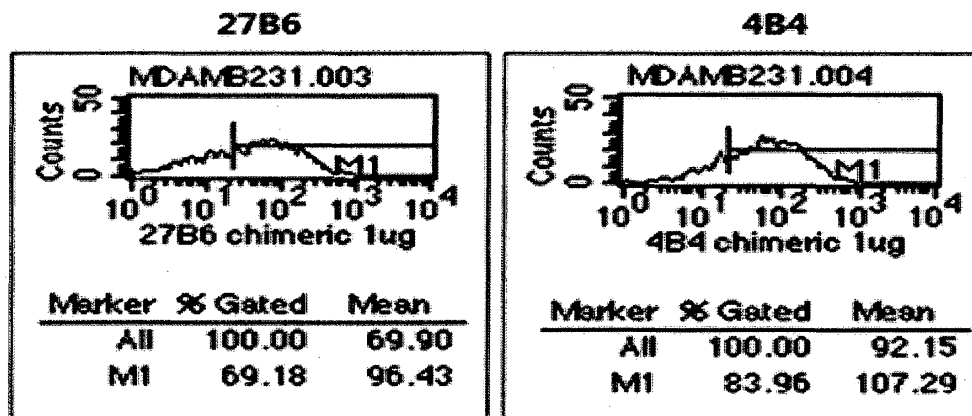
NCI-H460: human non-small cell lung carcinoma

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

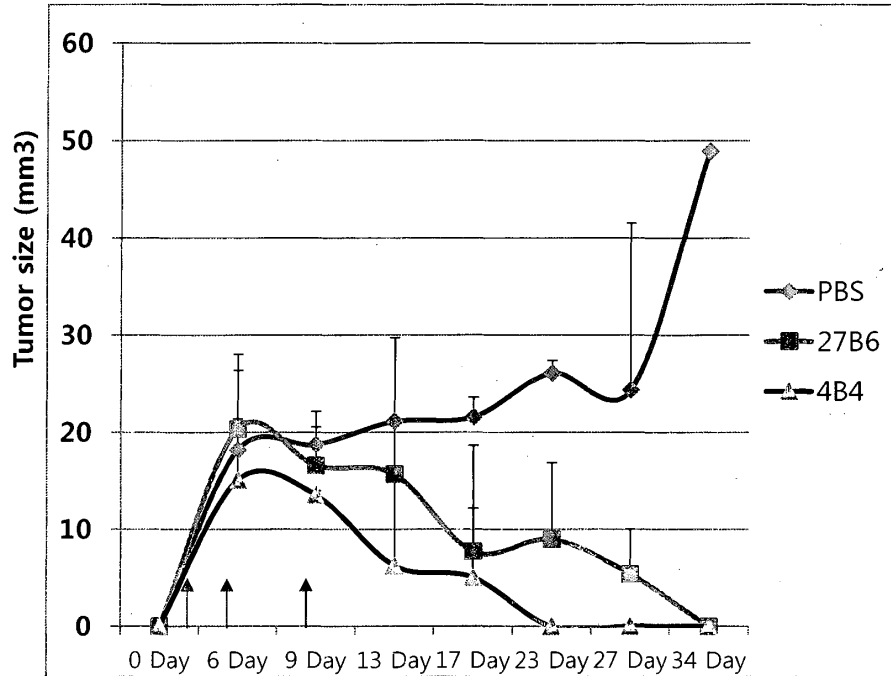
【도 14】



【도 15】

**CA12 expression on MDA-MB-231 cells**

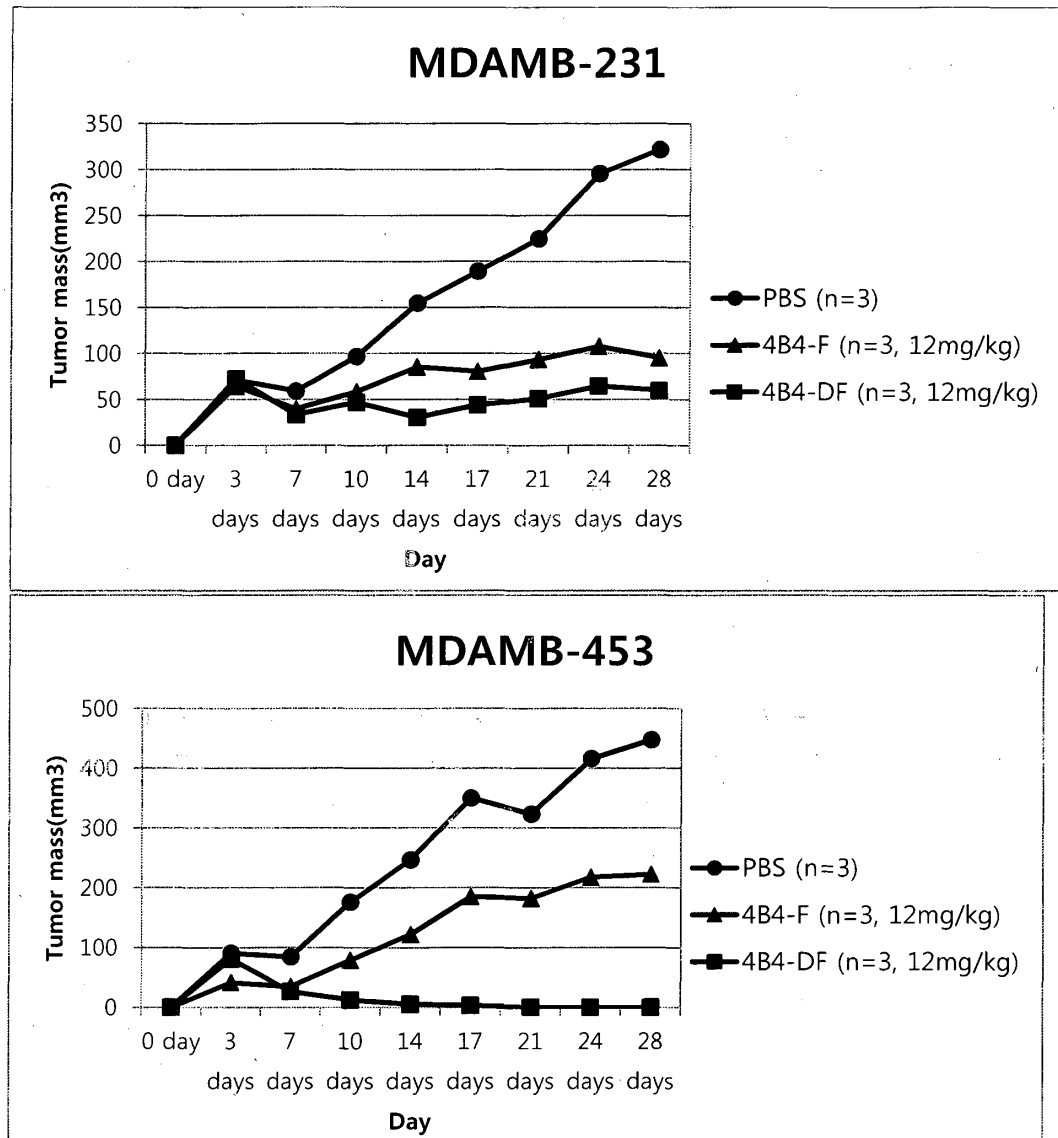
【도 16】



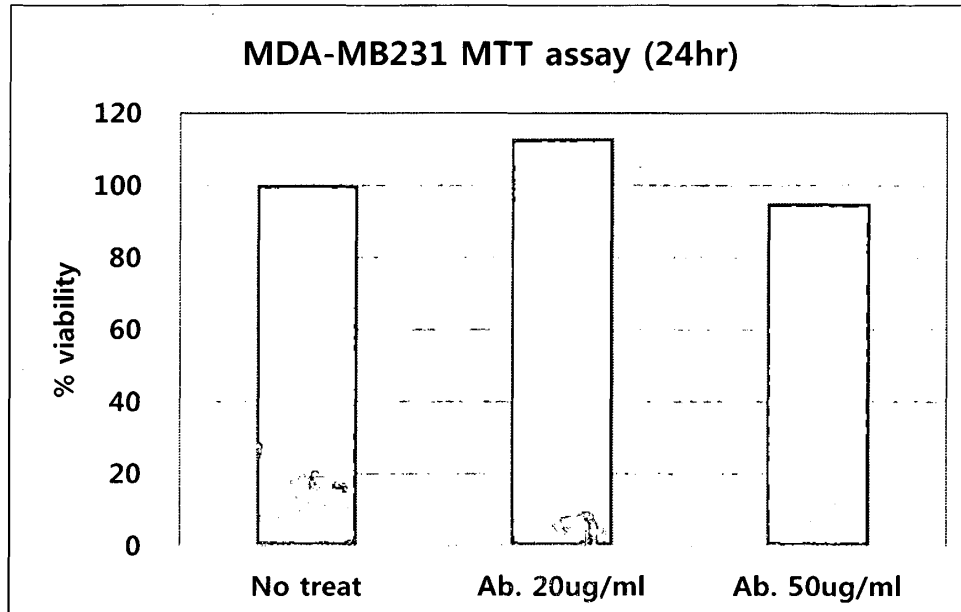
종양세포 접종 후 3 일 뒤 부터 치료

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

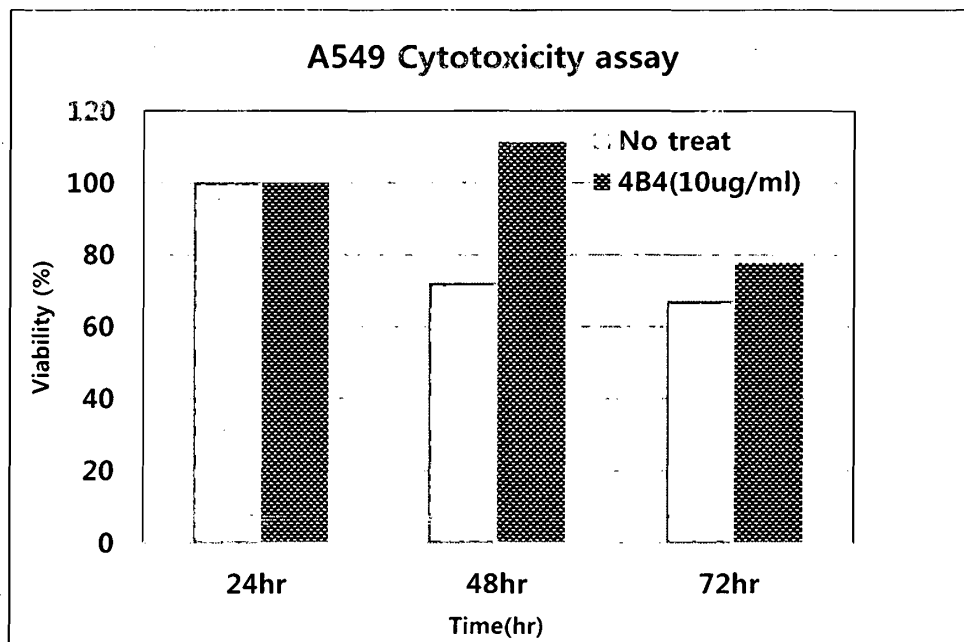
【도 17】



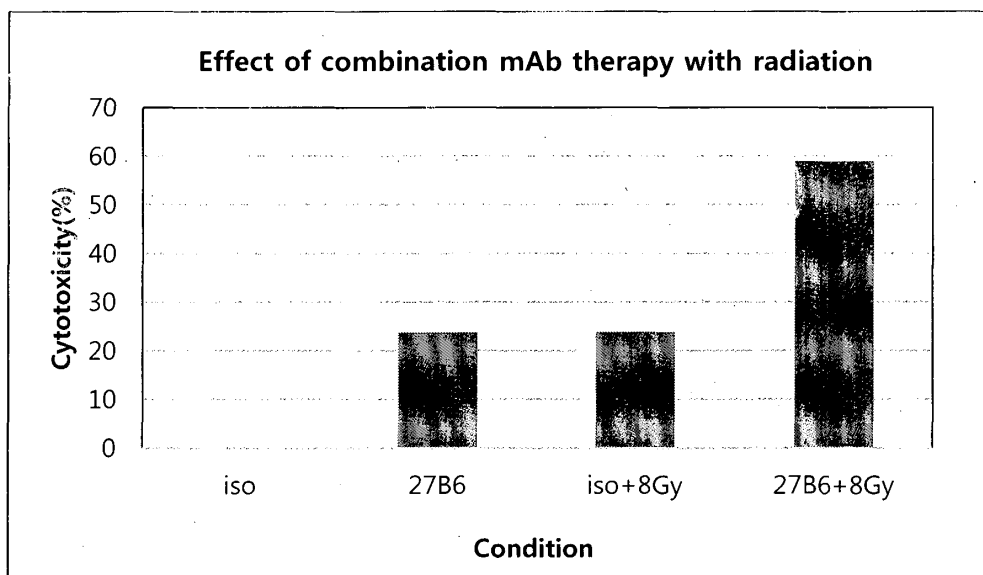
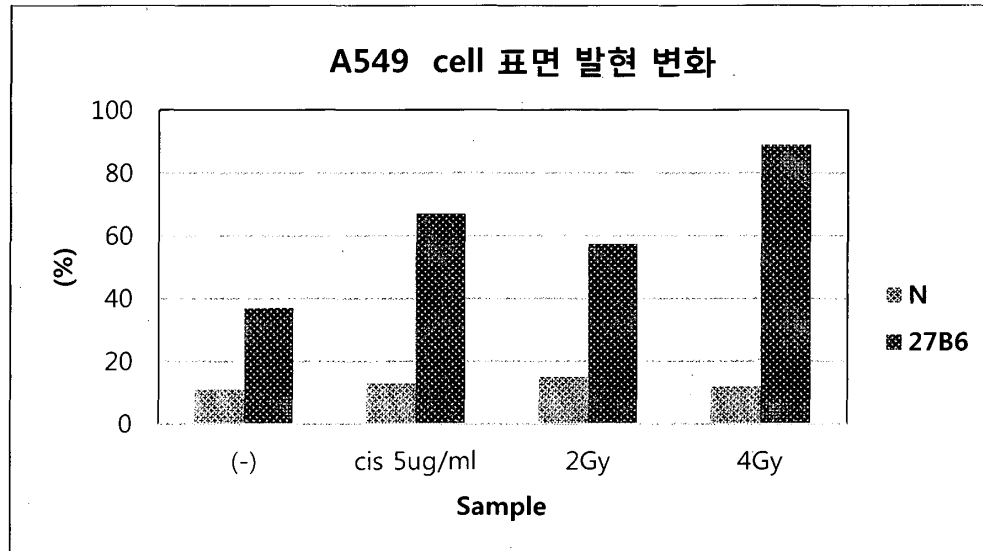
【도 18】



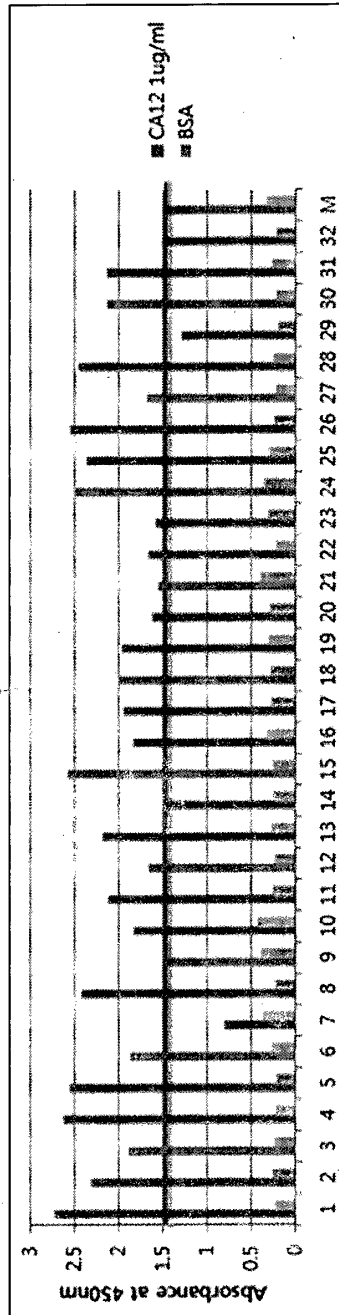
【도 19】



【도 20】



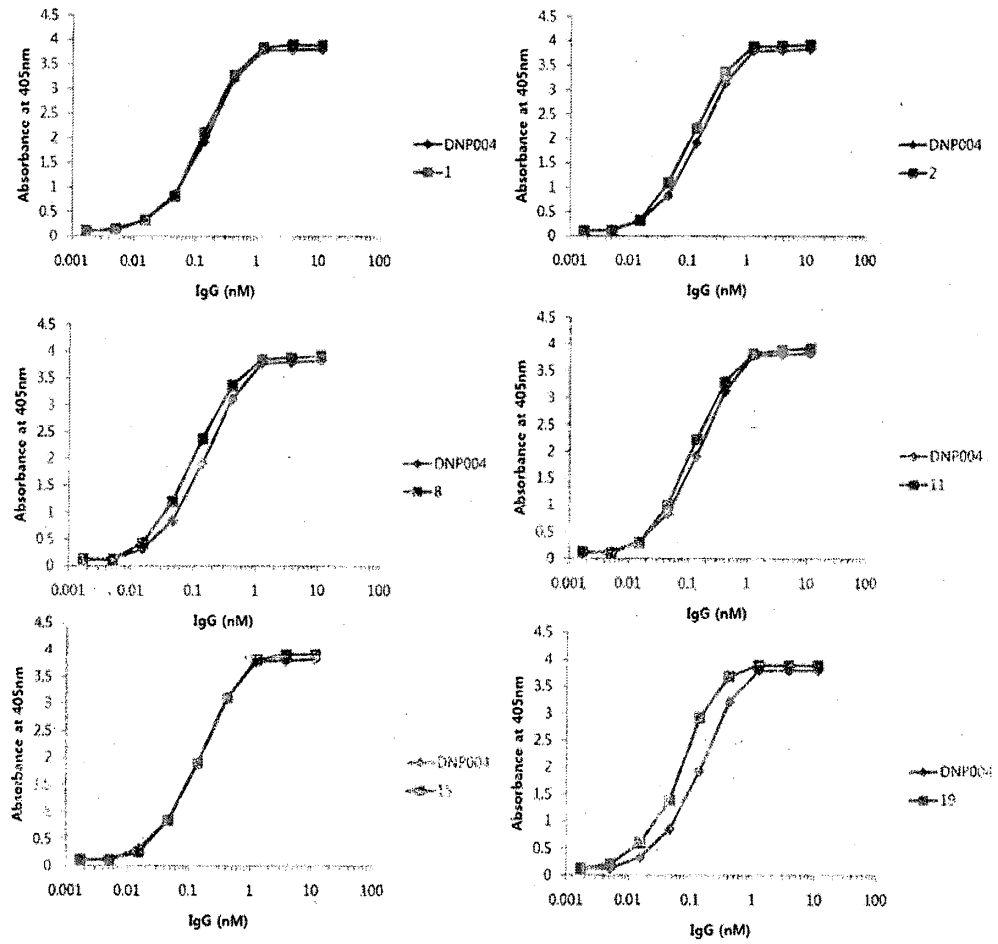
【도 21】



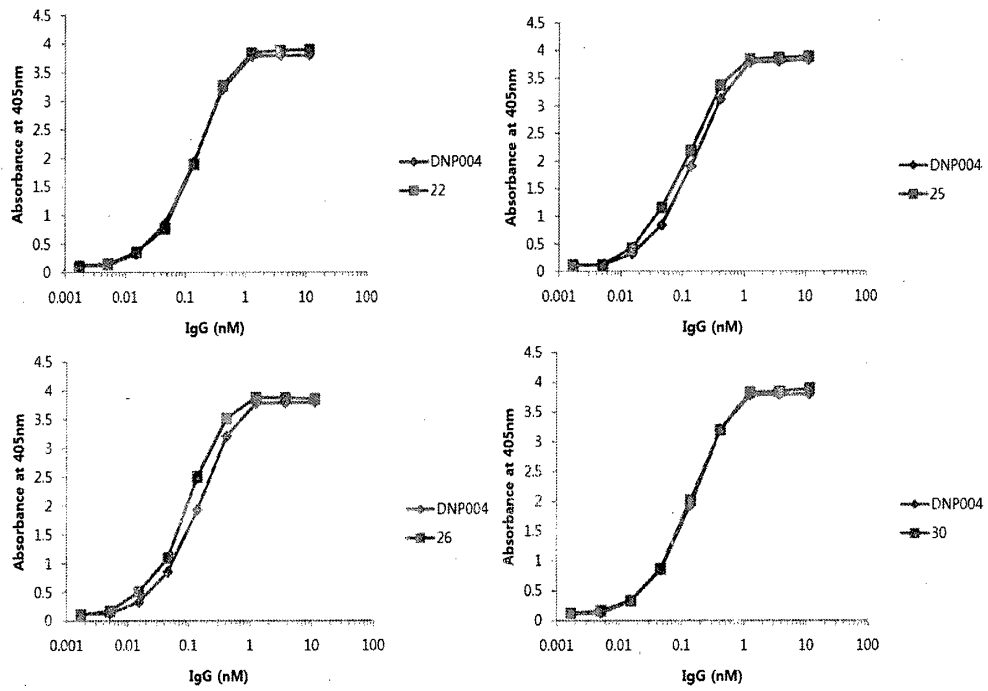
【도 22】

|        | LCDR1                                                  | LCDR2                                               |
|--------|--------------------------------------------------------|-----------------------------------------------------|
| DNF004 | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 1      | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 2      | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 8      | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 11     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 15     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 19     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 22     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 25     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 26     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |
| 30     | DIQMTQSPSSLSASVGDRVTITCRASSSVTNNHYYQKPKGKAPKRWIYATSSLS | SVPSRFRSGSGSGTDFTLTISISLOPEDFATYYCQWSSNPLTFGGGTKEIK |

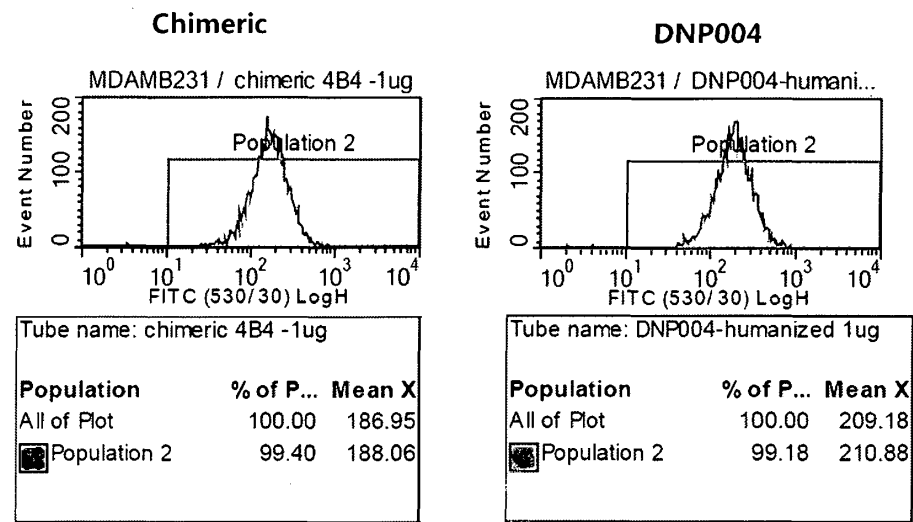
【도 23】



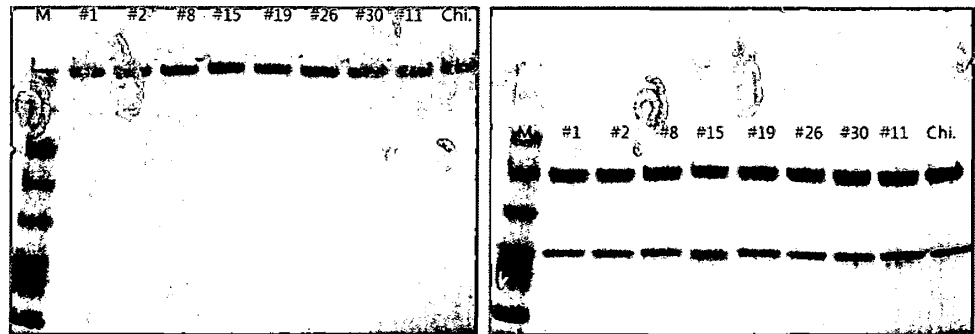
【도 24】



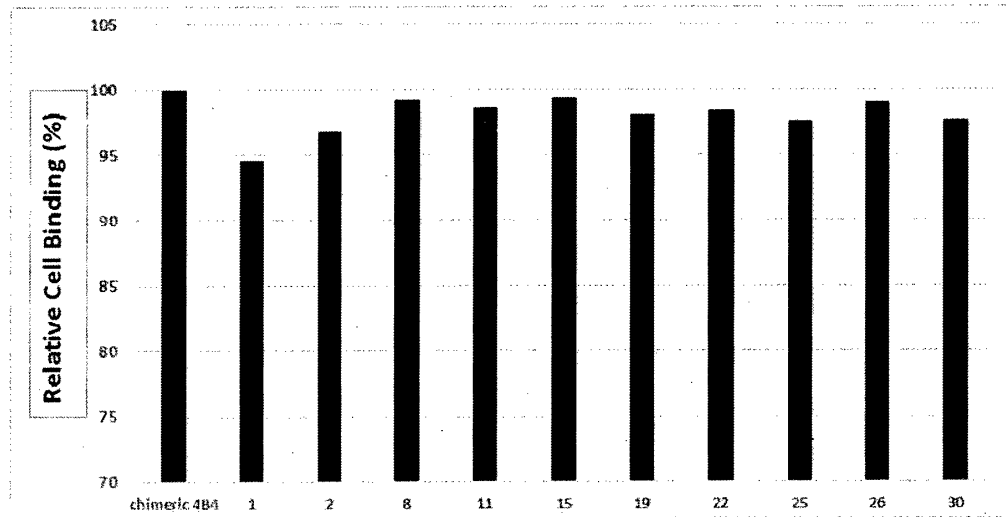
【도 25】



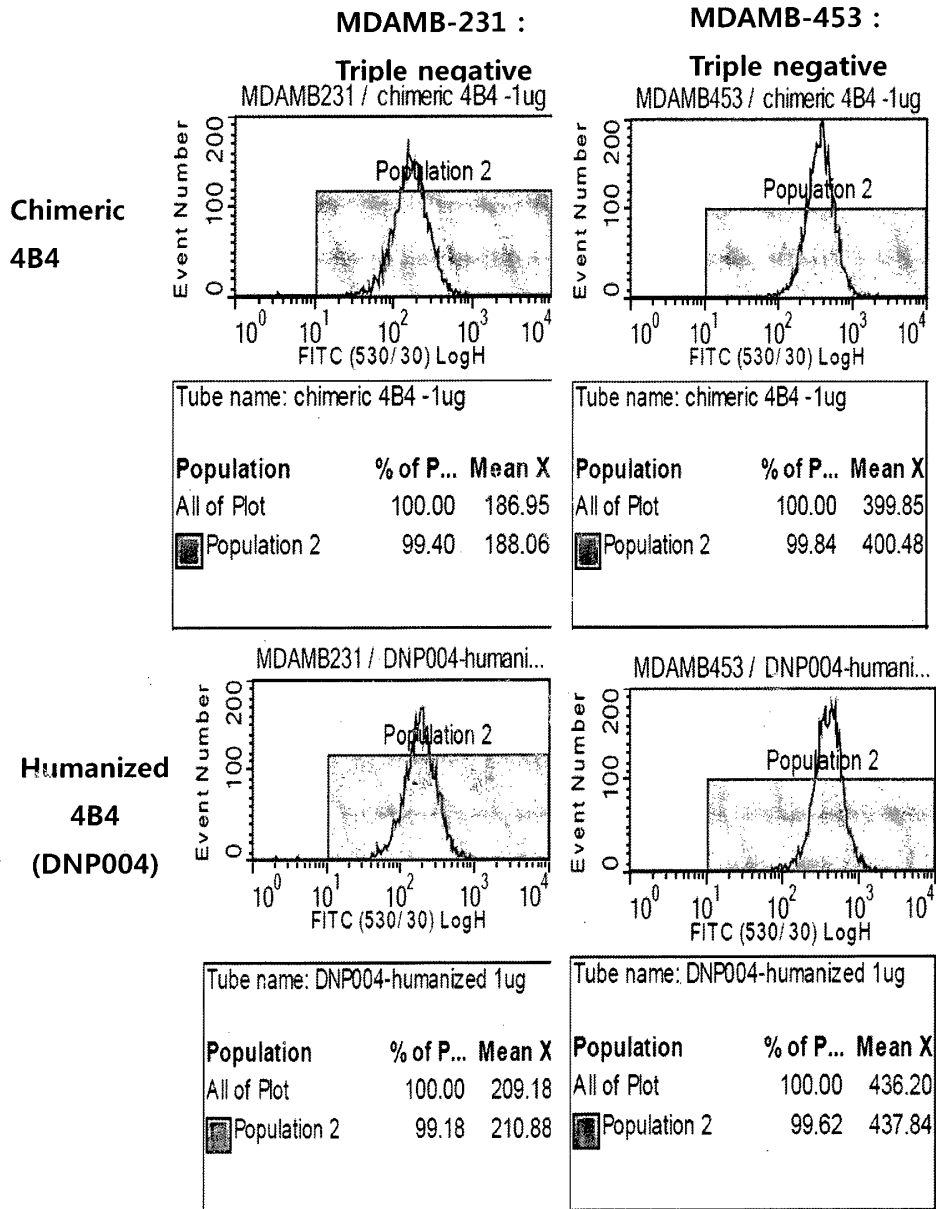
【도 26】



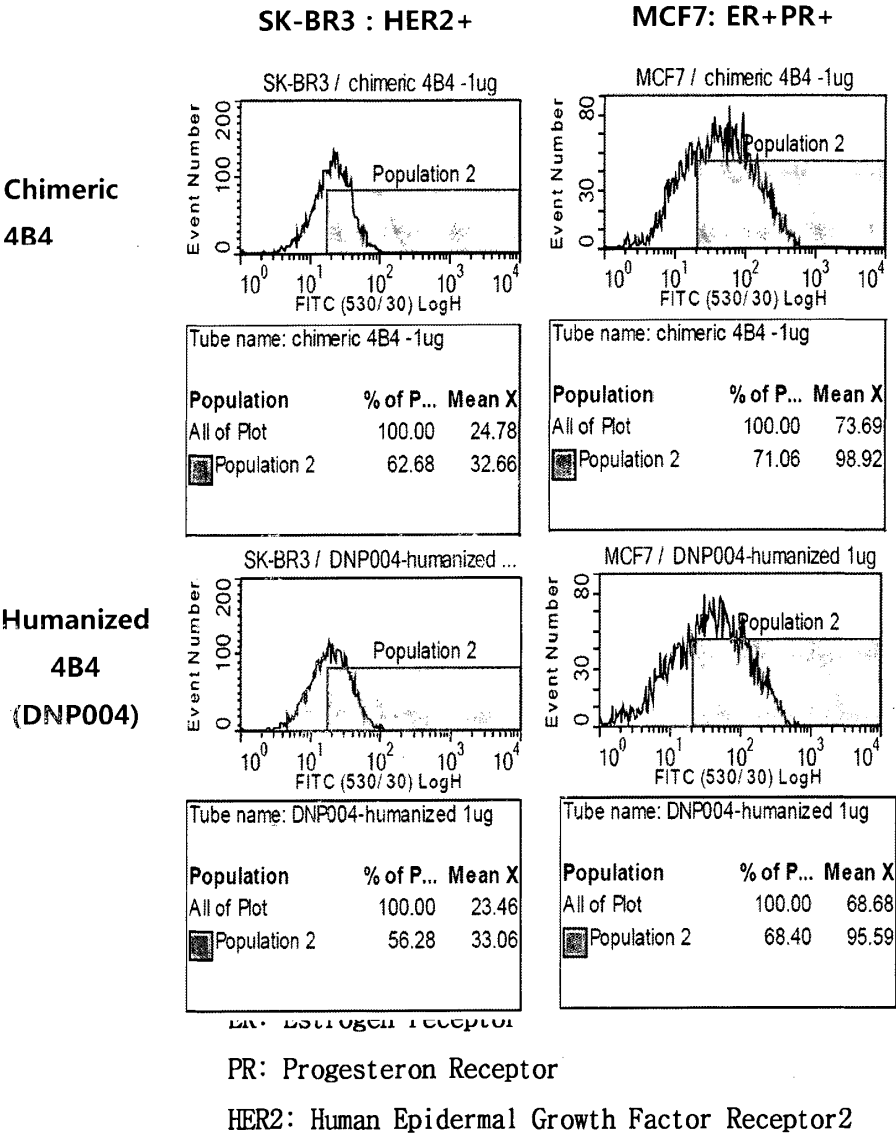
【도 27】



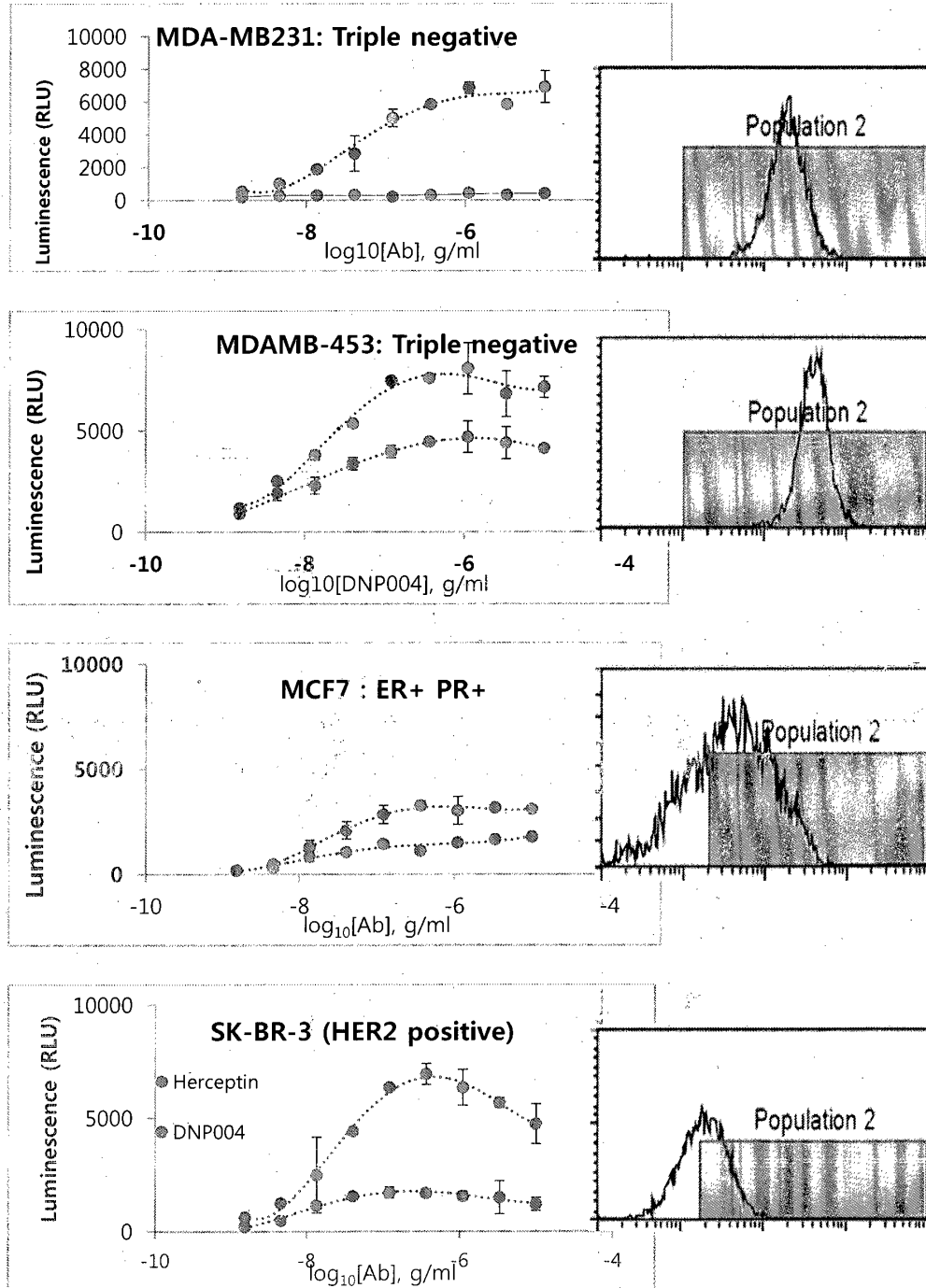
【도 28】



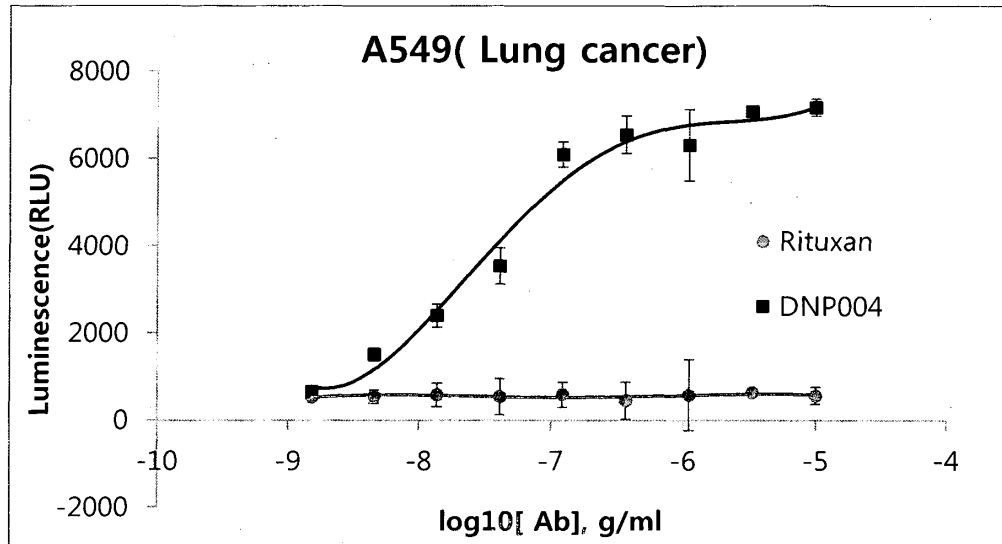
【도 29】



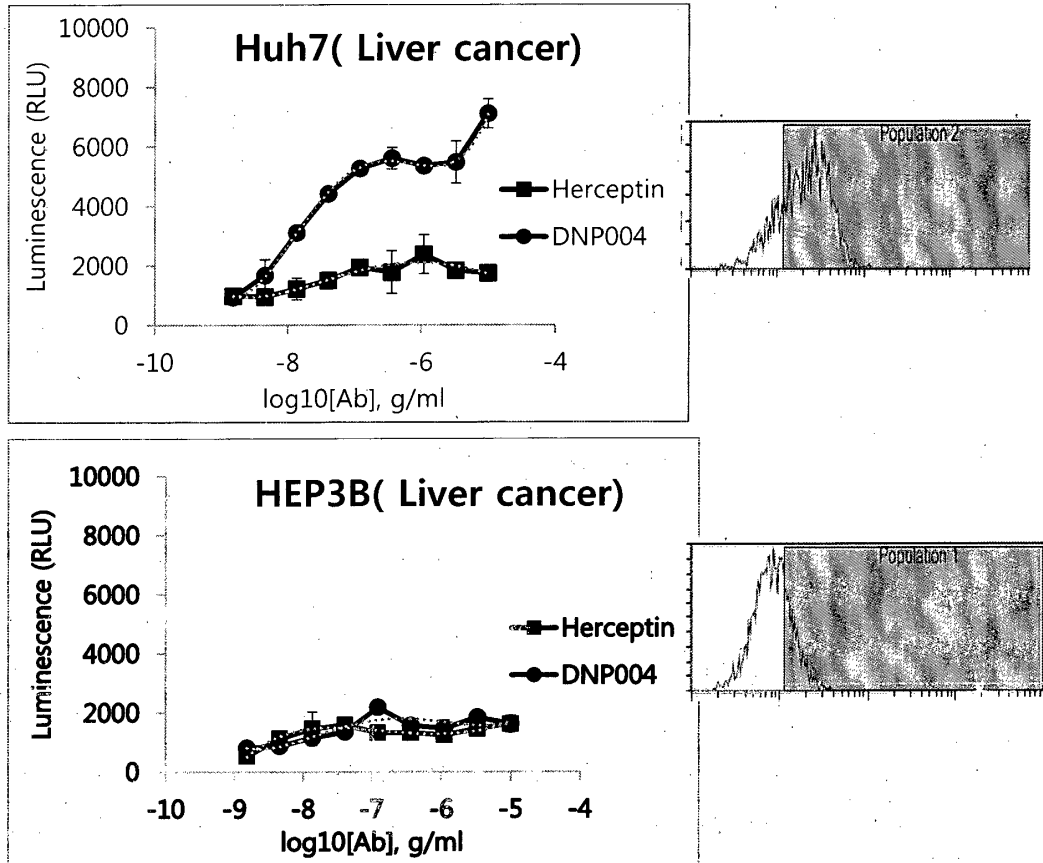
【도 30】



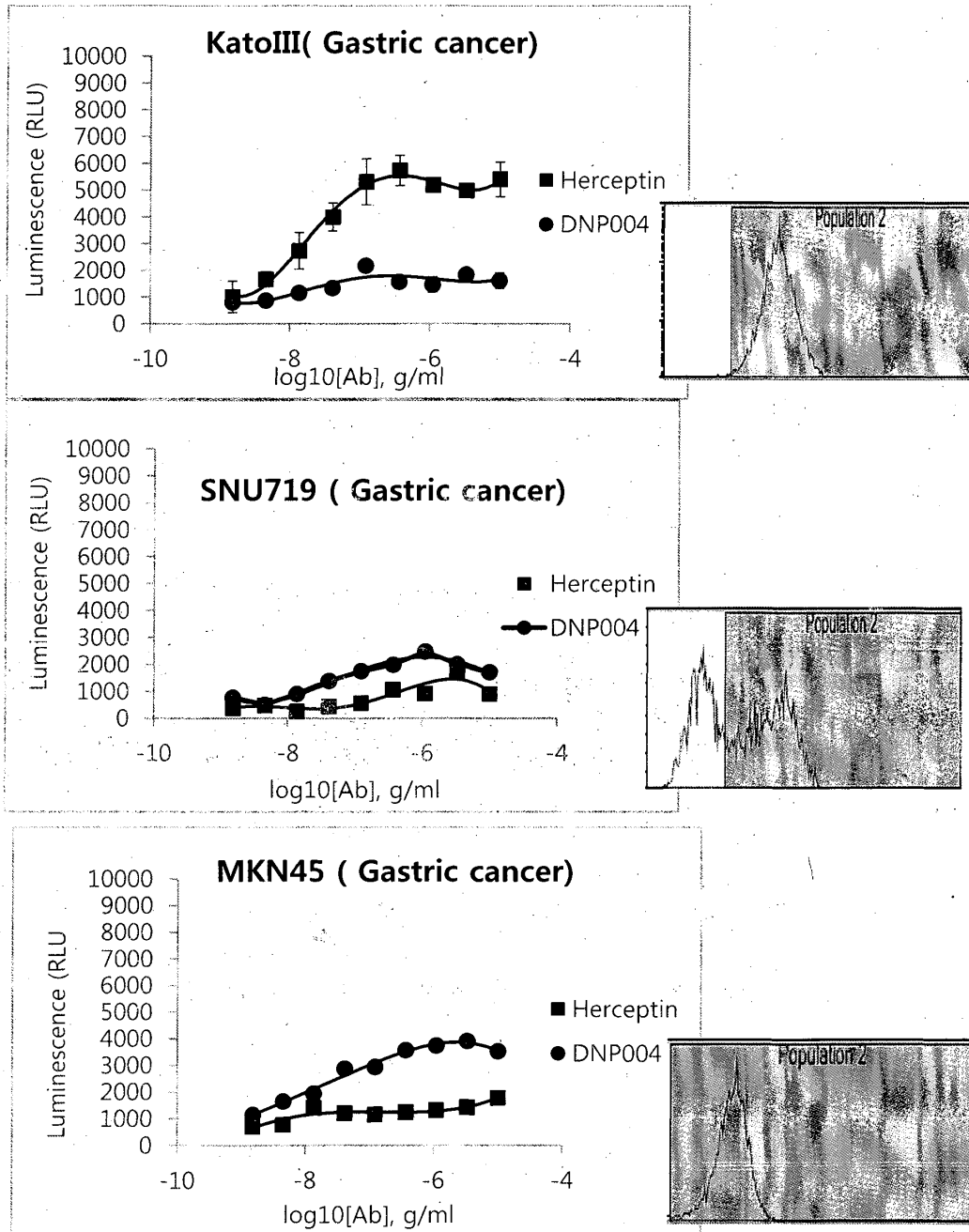
【도 31】



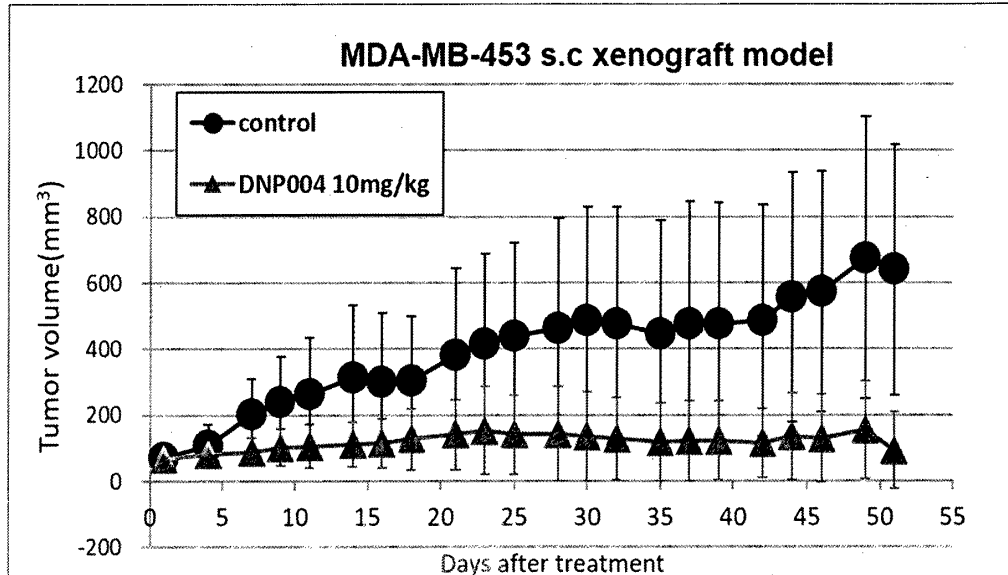
【図 32】



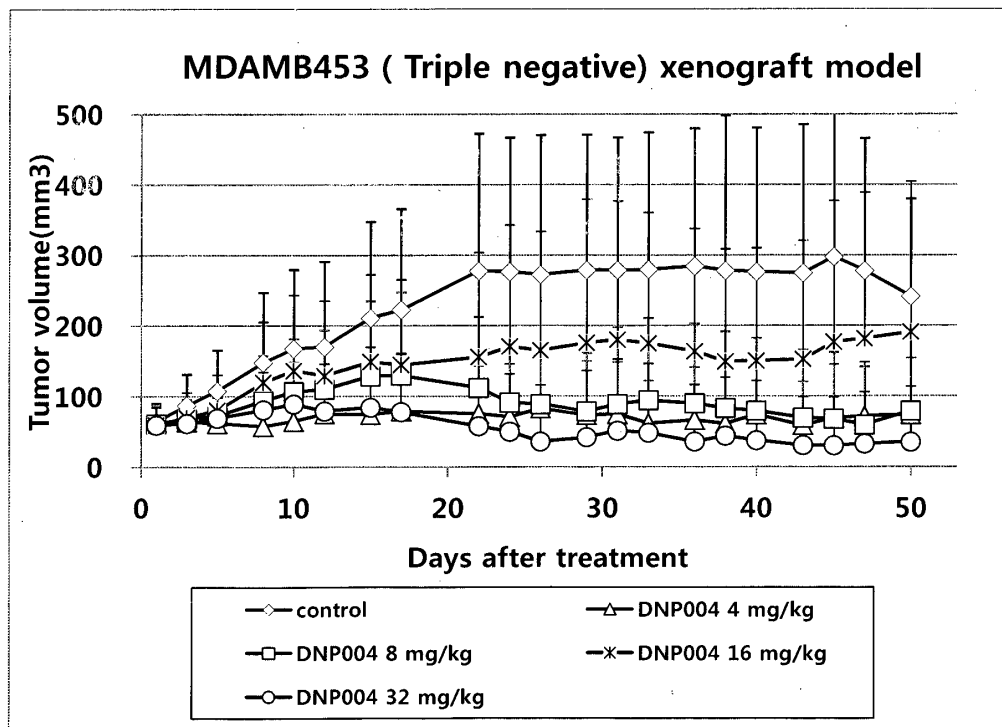
【도 33】



【도 34】



【도 35】



【도 36】

