Light chain (murine κ)

FWL1 CDRL1 FWL2 CDRL2 FWL3
DIQMTQTTSS LSASLGDRVT ISCSS***SQDIS NY***LNWYQQKP DGTVKVLIY***Y TS***TLHLGVPS RFSGSGSGTD

CDRL3 FWL4
YSLTISNLEL EDIATYYCQQ ***YYNLPW***TFGG GTKLEIK

Heavy Chain (murine IgG1)

FWH1 CDRH1 FWH2 CDRH2
QIQLVQSGPE LKKPGETVKI SCKAS***GFTLT NY***GMNWVRQT PGKGLKWMGW I***NTDTGE***PTY ADDFKGRFAF

FWH3 CDRH3 FWH4
SLETSASTAS LQINNLKNAD TATYFCAR***NP PYYYGTNNAE AMDY***WGQGTA VTVSS

FIGURE 1

Light chain

```
GL        DIQMTQTTSS LSASLGDRVT ISCSASQGIS NYLNWYQQKP DGTVKLLIYY TSSLHSGVPS
Mu mAb    ---------- ---------- ----S--D-- ---------- -----V----- --T--L----

GL        RFSGSGSGTD YSLTISNLEP EDIATYYCQQ YSKLP
Mu mAb    ---------- ---------L ---------- -YN--WTFGG GTKLEIK
```

Heavy chain

```
GL        QIQLVQSGPE LKKPGETVKI SCKASGYTFT NYGMNWVKQA PGKGLKWMGW INTYTGEPTY
Mu mAb    ---------- ---------- ------F-L- -------R-T ---------- ---D------

GL        ADDFKGRFAF SLETSASTAY LQINNLKNED TATYFCAR
Mu mAb    ---------- ---------S --------A- --------NP PYYYGTNNAE AMDYWGQGTA

GL
Mu mAb    VTVSS
```

FIGURE 2

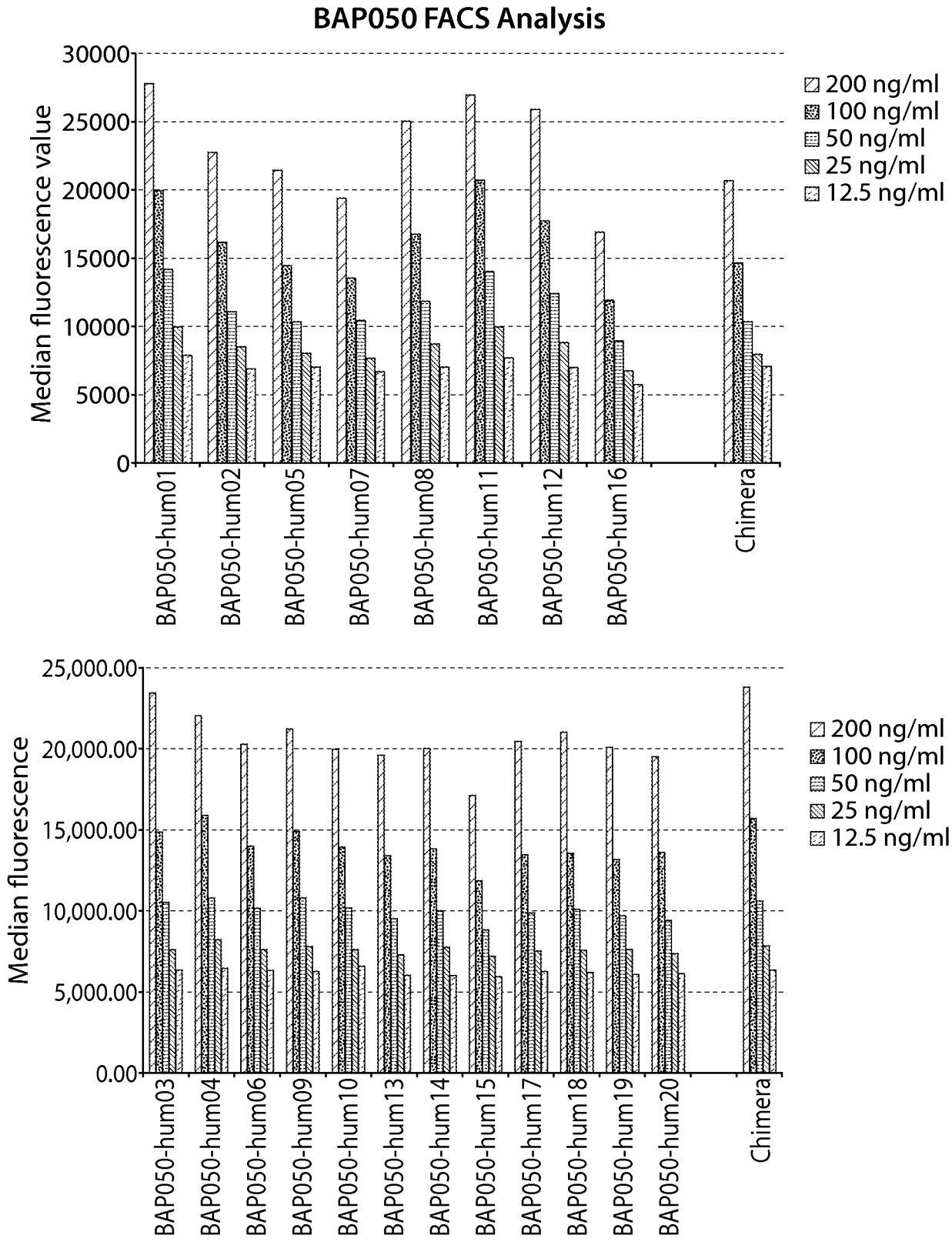

BAP050 FACS Analysis
Median fluorescence value
30000
25000
20000
15000
10000
5000
0
200 ng/ml
100 ng/ml
50 ng/ml
25 ng/ml
12.5 ng/ml
BAP050-hum01
BAP050-hum02
BAP050-hum05
BAP050-hum07
BAP050-hum08
BAP050-hum11
BAP050-hum12
BAP050-hum16
Chimera
Median fluorescence
25,000.00
20,000.00
15,000.00
10,000.00
5,000.00
0.00
200 ng/ml
100 ng/ml
50 ng/ml
25 ng/ml
12.5 ng/ml
BAP050-hum03
BAP050-hum04
BAP050-hum06
BAP050-hum09
BAP050-hum10
BAP050-hum13
BAP050-hum14
BAP050-hum15
BAP050-hum17
BAP050-hum18
BAP050-hum19
BAP050-hum20
Chimera

FIGURE 3

Clone No.	μg/mL	Sequence					
		HC			LC		
		FW1	FW2	FW3	FW1	FW2	FW3
chimera	31.7	6 unique HC			12 unique LC		
1	35.4	a	a	a	a	a	a
2	25.2	a	a	a	a	a	b
3	3.2	a	a	a	b	b	a
4	26	a	a	a	a	c	c
5	16.9	a	a	a	c	a	a
6	9.1	a	a	a	d	b	d
7	35.8	a	a	a	a	d	d
8	24.7	a	a	a	e	b	e
9	19.9	b	b	a	a	a	b
10	7.7	b	b	a	b	b	a
11	34.9	b	b	a	a	d	d
12	17.9	b	b	a	e	b	e
13	24.9	b	a	a	a	a	b
14	7.5	a	c	a	b	b	a
15	21.9	a	c	a	e	b	e
16	17.7	c	d	b	e	b	e
17	21.2	d	a	c	a	a	f
18	8.1	a	a	a	f	b	e
19	7.5	a	a	a	e	b	a
20	3.2	b	b	a	d	b	g

FIGURE 4

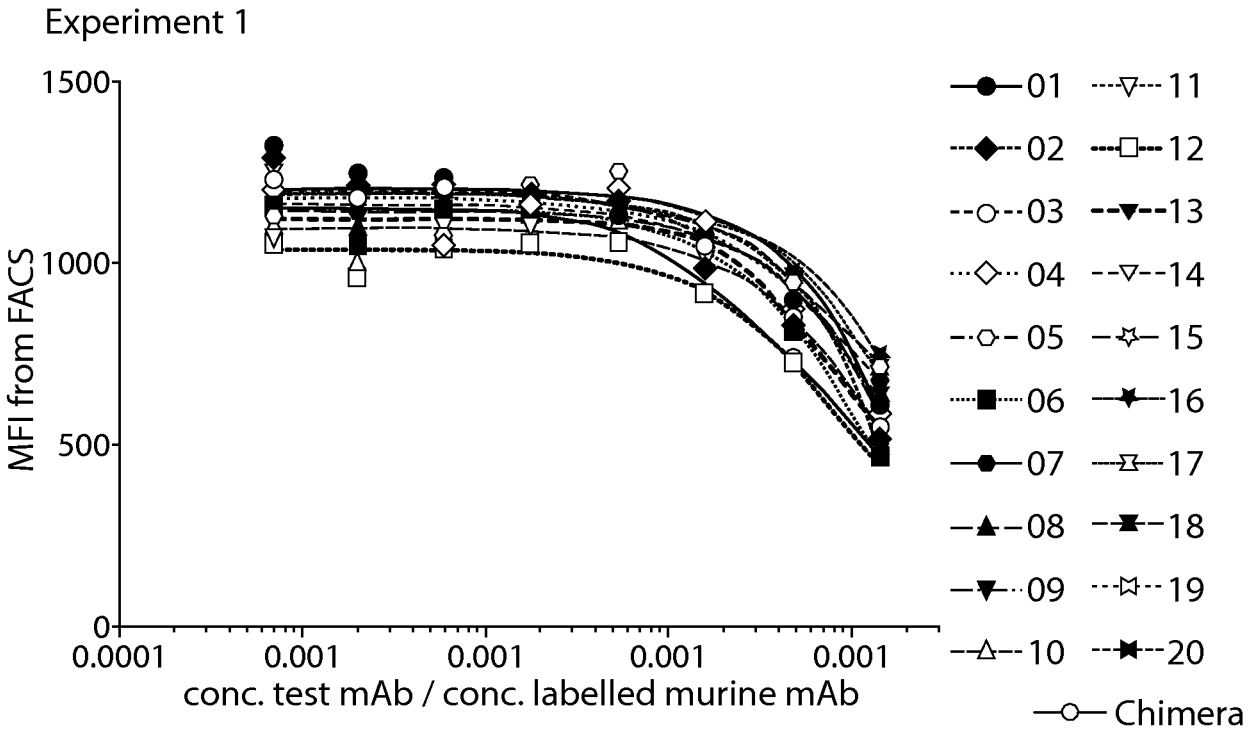


FIGURE 5A

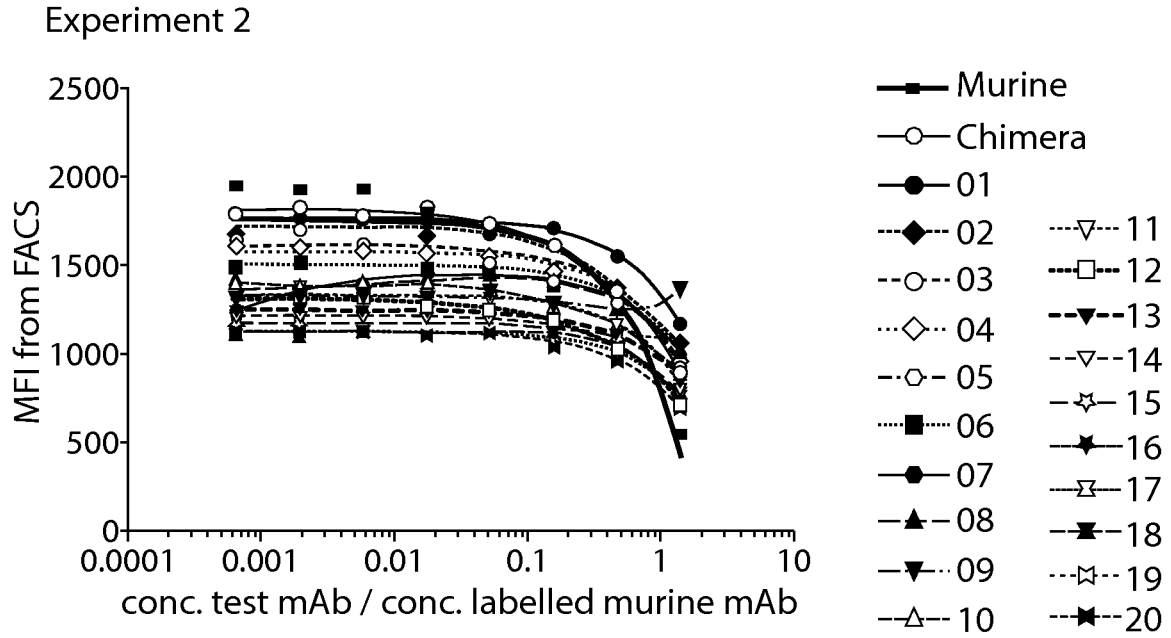


FIGURE 5B

Clone No.	Conc. μg/mL	Sequence						Ranking		Structure
		HC			LC			Binding data	Compet. data	
		FW1	FW2	FW3	FW1	FW2	FW3			
		6 unique HC			12 unique LC				*	
1	35.4	a	a	a	a	a	a	1	2	D
2	25.2	a	a	a	a	a	b	5	1	B
3	3.2	a	a	a	b	b	a	7	1	E
4	26	a	a	a	a	c	c	8	2	E
5	16.9	a	a	a	c	a	a	6		E
6	9.1	a	a	a	d	b	d	9	1	E
7	35.8	a	a	a	a	d	d	8		C
8	24.7	a	a	a	e	b	e	4		E
9	19.9	b	b	a	a	a	b	8	2	B
10	7.7	b	b	a	b	b	a	9	2	E
11	34.9	b	b	a	a	d	d	2	2	C
12	17.9	b	b	a	e	b	e	3	2	E
13	24.9	b	a	a	a	a	b	9	3	A
14	7.5	a	c	a	b	b	a	9		F
15	21.9	a	c	a	e	b	e	20	20	F
16	17.7	c	d	b	e	b	e	20	20	D
17	21.2	d	a	c	a	a	f	9		E
18	8.1	a	a	a	f	b	e	8		C
19	7.5	a	a	a	e	b	a	9		D
20	3.2	b	b	a	d	b	g	9	3	C

*empty boxes means worse than 3.

FIGURE 6

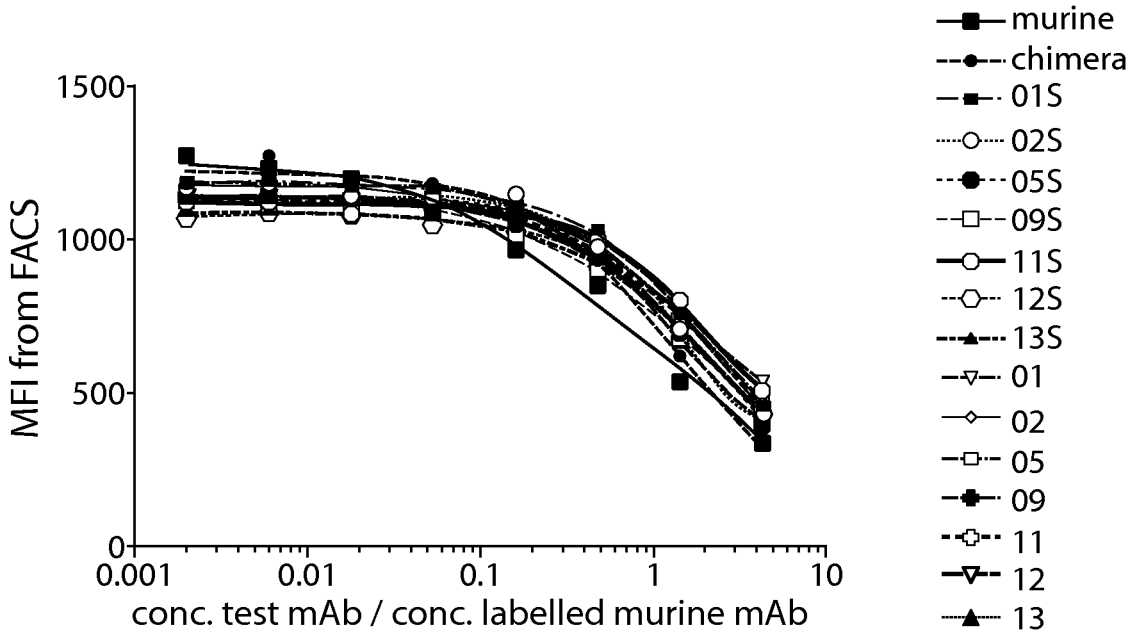


FIGURE 7

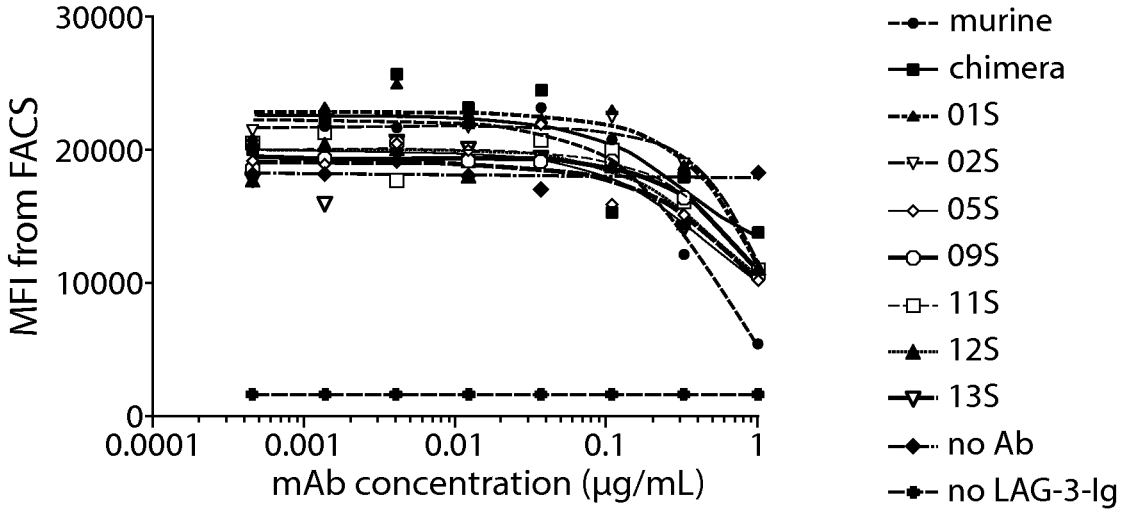


FIGURE 8

```
                    10        20        30        40        50        60
                ....|....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-HC   QIQLVQSGPELKKPGETVKISCKASGFTLTNYGMNWVRQTPGKGLKWMGWINTDTGEPTY
BAP050-hum01-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum02-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum03-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum04-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum05-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum06-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum07-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum08-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum18-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum19-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum09-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQARGQRLEWIGWINTDTGEPTY
BAP050-hum10-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQARGQRLEWIGWINTDTGEPTY
BAP050-hum11-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQARGQRLEWIGWINTDTGEPTY
BAP050-hum12-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQARGQRLEWIGWINTDTGEPTY
BAP050-hum20-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQARGQRLEWIGWINTDTGEPTY
BAP050-hum13-HC QVQLVQSGAEVKKPGASVKVSCKASGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY
BAP050-hum14-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWIRQSPSRGLEWLGWINTDTGEPTY
BAP050-hum15-HC EVQLVQSGAEVKKPGATVKISCKVSGFTLTNYGMNWIRQSPSRGLEWLGWINTDTGEPTY
BAP050-hum16-HC EVQLVQSGAEVKKPGESLRISCKGSGFTLTNYGMNWVRQATGQGLEWMGWINTDTGEPTY
BAP050-hum17-HC QVQLVQSGSELKKPGASVKVSCKASGFTLTNYGMNWVRQAPGQGLEWMGWINTDTGEPTY

                    70        80        90        100       110       120
                ....|....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-HC   ADDFKGRFAFSLETSASTASLQINNLKNADTATYFCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum01-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum02-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum03-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum04-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum05-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum06-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum07-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum08-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum18-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum19-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum09-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum10-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum11-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum12-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum20-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum13-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum14-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum15-HC ADDFKGRFVFSLDTSVSTAYLQICSLKAEDTAVYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum16-HC ADDFKGRVTISADKSISTAYLQWSSLKASDTAMYYCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum17-HC ADDFKGRFVFSLDTSVSTAYLQISTLKAEDTATYFCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
```

FIGURE 9A

```
                        10        20        30        40        50        60
                   ....|....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-HC      QIQLVQSGPELKKPGETVKISCKASGFTLTNYGMNWVRQTPGKGLKWMGWINTDTGEPTY
BAP050-hum01-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum02-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum03-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum04-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum05-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum06-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum07-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum08-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum18-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum19-HC    EV......A.V....A.......V..............A..Q..E.............
BAP050-hum09-HC    .V......A.V....AS..V..................AR.QR.E.I...........
BAP050-hum10-HC    .V......A.V....AS..V..................AR.QR.E.I...........
BAP050-hum11-HC    .V......A.V....AS..V..................AR.QR.E.I...........
BAP050-hum12-HC    .V......A.V....AS..V..................AR.QR.E.I...........
BAP050-hum20-HC    .V......A.V....AS..V..................AR.QR.E.I...........
BAP050-hum13-HC    .V......A.V....AS..V..................A..Q..E.............
BAP050-hum14-HC    EV......A.V....A.......V............I..S.SR..E.L...........
BAP050-hum15-HC    EV......A.V....A.......V............I..S.SR..E.L...........
BAP050-hum16-HC    EV......A.V.....SLR....G..............AT.Q..E.............
BAP050-hum17-HC    .V......S......AS..V..................A..Q..E.............

                        70        80        90        100       110       120
                   ....|....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-HC      ADDFKGRFAFSLETSASTASLQINNLKNADTATYFCARNPPYYYGTNNAEAMDYWGQGTTVTVSS
BAP050-hum01-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum02-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum03-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum04-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum05-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum06-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum07-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum08-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum18-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum19-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum09-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum10-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum11-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum12-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum20-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum13-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum14-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum15-HC    ........V...D..V...Y...CS..AE...V.Y...........................
BAP050-hum16-HC    .......VTI.ADK.I...Y..WSS..AS...M.Y...........................
BAP050-hum17-HC    ........V...D..V...Y...ST..AE.................................
```

FIGURE 9B

```
                        10        20        30        40        50        60
                   ....|....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-LC      DIQMTQTTSSLSASLGDRVTISCSSSQDISNYLNWYQQKPDGTVKVLIYYTSTLHLGVPS
BAP050-hum01-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGVPS
BAP050-hum02-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGIPP
BAP050-hum13-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGIPP
BAP050-hum09-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGIPP
BAP050-hum03-LC    EIVLTQSPATLPVSLGQTASISCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum10-LC    EIVLTQSPATLPVSLGQTASISCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum14-LC    EIVLTQSPATLPVSLGQTASISCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum04-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYLQKPGQSPQLLIYYTSTLHLGIPD
BAP050-hum05-LC    EIVLTQSPATLSLSPGERATLSCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGVPS
BAP050-hum06-LC    DIVMTQTPLSLPVTPGEPASISCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum07-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYLQKPGQSPQLLIYYTSTLHLGVPS
BAP050-hum11-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYLQKPGQSPQLLIYYTSTLHLGVPS
BAP050-hum08-LC    EIVLTQSPDFQSVTPKEKVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum12-LC    EIVLTQSPDFQSVTPKEKVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum15-LC    EIVLTQSPDFQSVTPKEKVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum16-LC    EIVLTQSPDFQSVTPKEKVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum17-LC    DIQMTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGKAPKLLIYYTSTLHLGVPS
BAP050-hum18-LC    AIQLTQSPSSLSASVGDRVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum19-LC    EIVLTQSPDFQSVTPKEKVTITCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGVPS
BAP050-hum20-LC    DIVMTQTPLSLPVTPGEPASISCSSSQDISNYLNWYQQKPGQAPRLLIYYTSTLHLGIPD

                        70        80        90        100
                   ....|....|....|....|....|....|....|....|..
BAP050-chi-LC      RFSGSGSGTDYSLTISNLELEDIATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum01-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum02-LC    RFSGSGYGTDFTLTINNIESEDAAYYFCQQYYNLPWTFGQGTKVEIK
BAP050-hum13-LC    RFSGSGYGTDFTLTINNIESEDAAYYFCQQYYNLPWTFGQGTKVEIK
BAP050-hum09-LC    RFSGSGYGTDFTLTINNIESEDAAYYFCQQYYNLPWTFGQGTKVEIK
BAP050-hum03-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum10-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum14-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum04-LC    RFSGSGSGTDFTLTISRLEPEDFAVYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum05-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum06-LC    RFSGSGSGTEFTLTISSLQPDDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum07-LC    RFSGSGSGTEFTLTISSLQPDDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum11-LC    RFSGSGSGTEFTLTISSLQPDDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum08-LC    RFSGSGSGTDFTLTISSLQPEDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum12-LC    RFSGSGSGTDFTLTISSLQPEDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum15-LC    RFSGSGSGTDFTLTISSLQPEDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum16-LC    RFSGSGSGTDFTLTISSLQPEDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum17-LC    RFSGSGSGTDFTFTISSLQPEDIATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum18-LC    RFSGSGSGTDFTLTISSLQPEDFATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum19-LC    RFSGSGSGTDFTFTISSLEAEDAATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum20-LC    RFSGSGSGTDFTLTISRLEPEDFAVYYCQQYYNLPWTFGQGTKVEIK
```

FIGURE 10A

```
                    10        20        30        40        50        60
                ....|....|....|....|....|....|....|....|....|....|....|
BAP050-chi-LC   DIQMTQTTSSLSASLGDRVTISCSSSQDISNYLNWYQQKPDGTVKVLIYYTSTLHLGVPS
BAP050-hum01-LC ......SP......V......T..................GKAP.L.............
BAP050-hum02-LC ......SP......V......T..................GKAP.L..........I.P
BAP050-hum13-LC ......SP......V......T..................GKAP.L..........I.P
BAP050-hum09-LC ......SP......V......T..................GKAP.L..........I.P
BAP050-hum03-LC E.VL..SPAT.PV...QTAS.....................GQAPRL.............
BAP050-hum10-LC E.VL..SPAT.PV...QTAS.....................GQAPRL.............
BAP050-hum14-LC E.VL..SPAT.PV...QTAS.....................GQAPRL.............
BAP050-hum04-LC ......SP......V......T..............L...GQSPQL..........I.D
BAP050-hum05-LC E.VL..SPAT..L.P.E.A.L.....................GKAP.L.............
BAP050-hum06-LC ..V....PL..PVTP.EPAS.....................GQAPRL.............
BAP050-hum07-LC ......SP......V......T..............L...GQSPQL.............
BAP050-hum11-LC ......SP......V......T..............L...GQSPQL.............
BAP050-hum08-LC E.VL..SPDFQ.VTPKEK...T...................GQAPRL.............
BAP050-hum12-LC E.VL..SPDFQ.VTPKEK...T...................GQAPRL.............
BAP050-hum15-LC E.VL..SPDFQ.VTPKEK...T...................GQAPRL.............
BAP050-hum16-LC E.VL..SPDFQ.VTPKEK...T...................GQAPRL.............
BAP050-hum17-LC ......SP......V......T..................GKAP.L.............
BAP050-hum18-LC A..L..SP......V......T..................GQAPRL.............
BAP050-hum19-LC E.VL..SPDFQ.VTPKEK...T...................GQAPRL.............
BAP050-hum20-LC ..V....PL..PVTP.EPAS.....................GQAPRL..........I.D

                    70        80        90        100
                ....|....|....|....|....|....|....|....|..
BAP050-chi-LC   RFSGSGSGTDYSLTISNLELEDIATYYCQQYYNLPWTFGQGTKVEIK
BAP050-hum01-LC ..........FTF...S..A..A.........................
BAP050-hum02-LC ......Y...FT...N.I.S..A.Y.F.....................
BAP050-hum13-LC ......Y...FT...N.I.S..A.Y.F.....................
BAP050-hum09-LC ......Y...FT...N.I.S..A.Y.F.....................
BAP050-hum03-LC ..........FTF...S..A..A.........................
BAP050-hum10-LC ..........FTF...S..A..A.........................
BAP050-hum14-LC ..........FTF...S..A..A.........................
BAP050-hum04-LC ..........FT....R..P..F.V.......................
BAP050-hum05-LC ..........FTF...S..A..A.........................
BAP050-hum06-LC .........EFT....S.QPD.F.........................
BAP050-hum07-LC .........EFT....S.QPD.F.........................
BAP050-hum11-LC .........EFT....S.QPD.F.........................
BAP050-hum08-LC ..........FT....S.QP..F.........................
BAP050-hum12-LC ..........FT....S.QP..F.........................
BAP050-hum15-LC ..........FT....S.QP..F.........................
BAP050-hum16-LC ..........FT....S.QP..F.........................
BAP050-hum17-LC ..........FTF...S.QP............................
BAP050-hum18-LC ..........FT....S.QP..F.........................
BAP050-hum19-LC ..........FTF...S..A..A.........................
BAP050-hum20-LC ..........FT....R..P..F.V.......................
```

FIGURE 10B

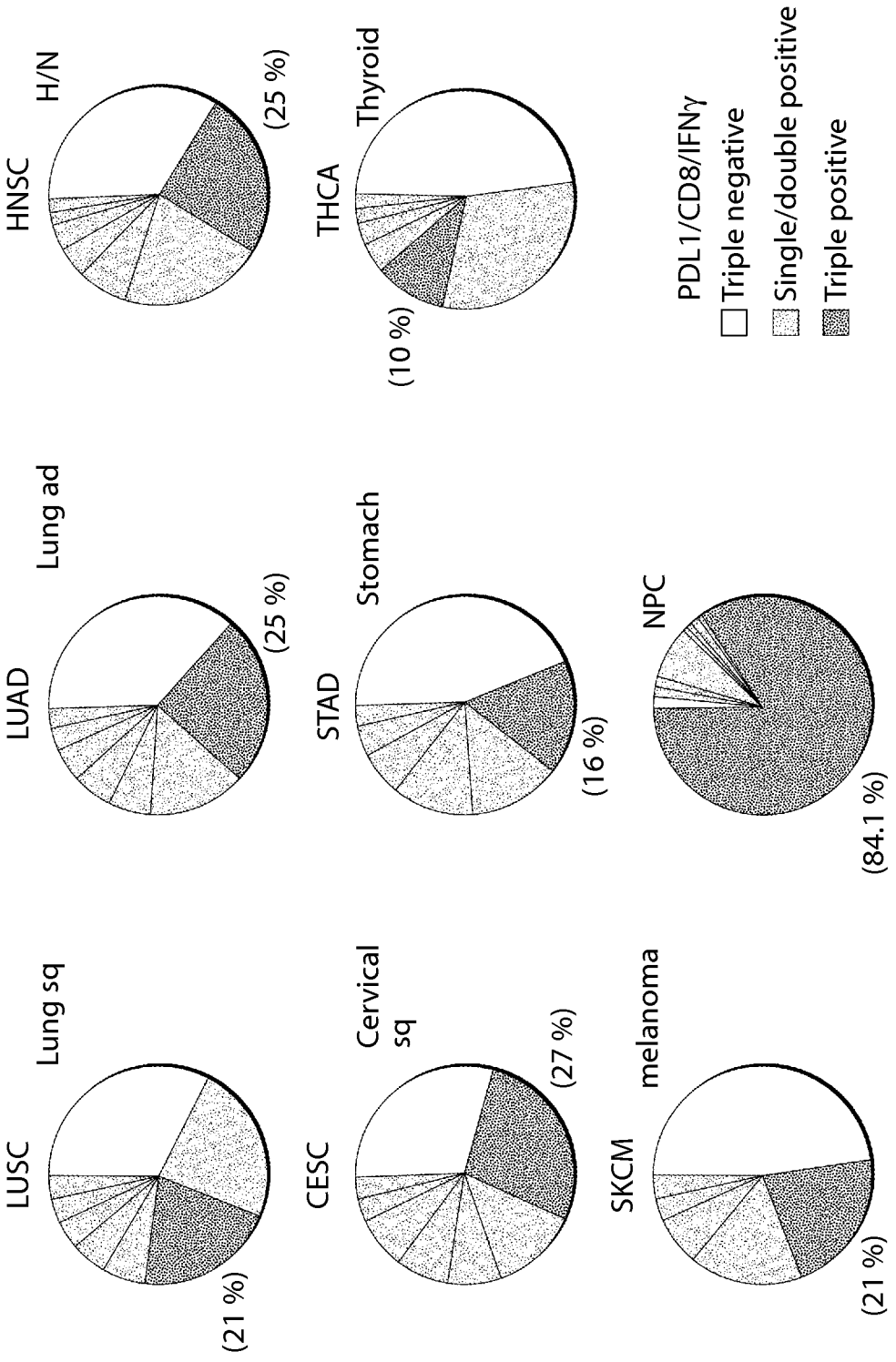

HNSC
H/N
(25 %)
THCA
Thyroid
(10 %)
PDL1/CD8/IFNγ
Triple negative
Single/double positive
Triple positive
LUAD
Lung ad
(25 %)
STAD
Stomach
(16 %)
NPC
(84.1 %)
LUSC
Lung sq
(21 %)
CESC
Cervical sq
(27 %)
SKCM
melanoma
(21 %)

FIGURE 11

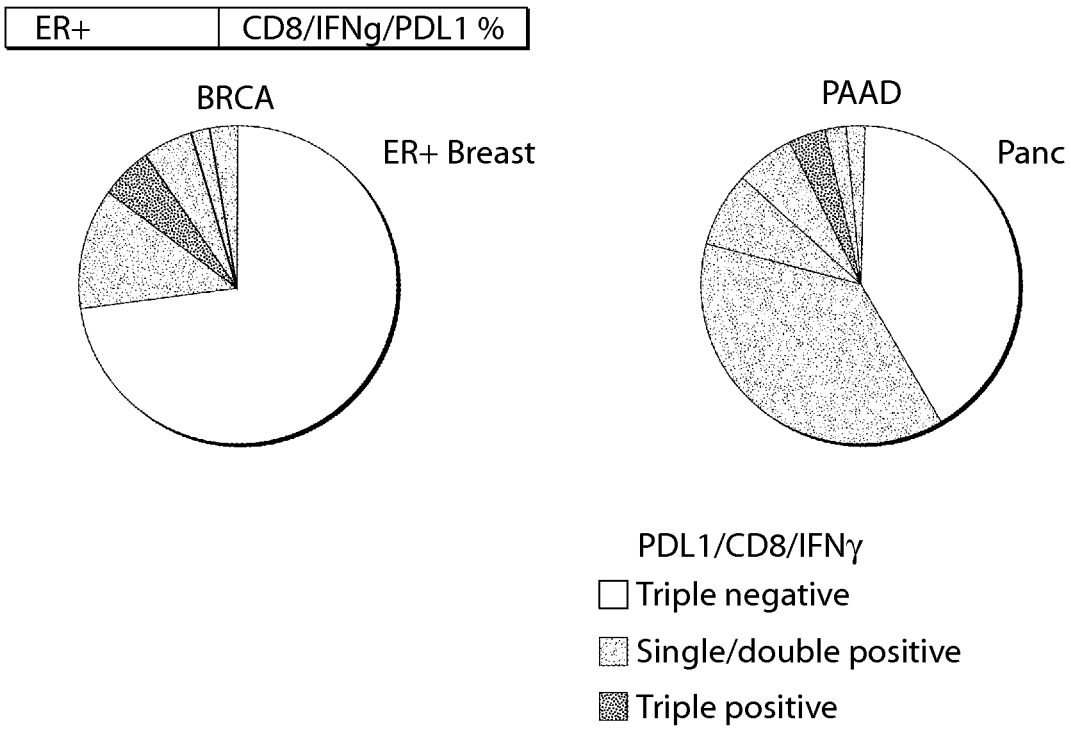

ER+
CD8/IFNg/PDL1 %
BRCA
ER+ Breast
PAAD
Panc
PDL1/CD8/IFNγ
Triple negative
Single/double positive
Triple positive

FIGURE 12

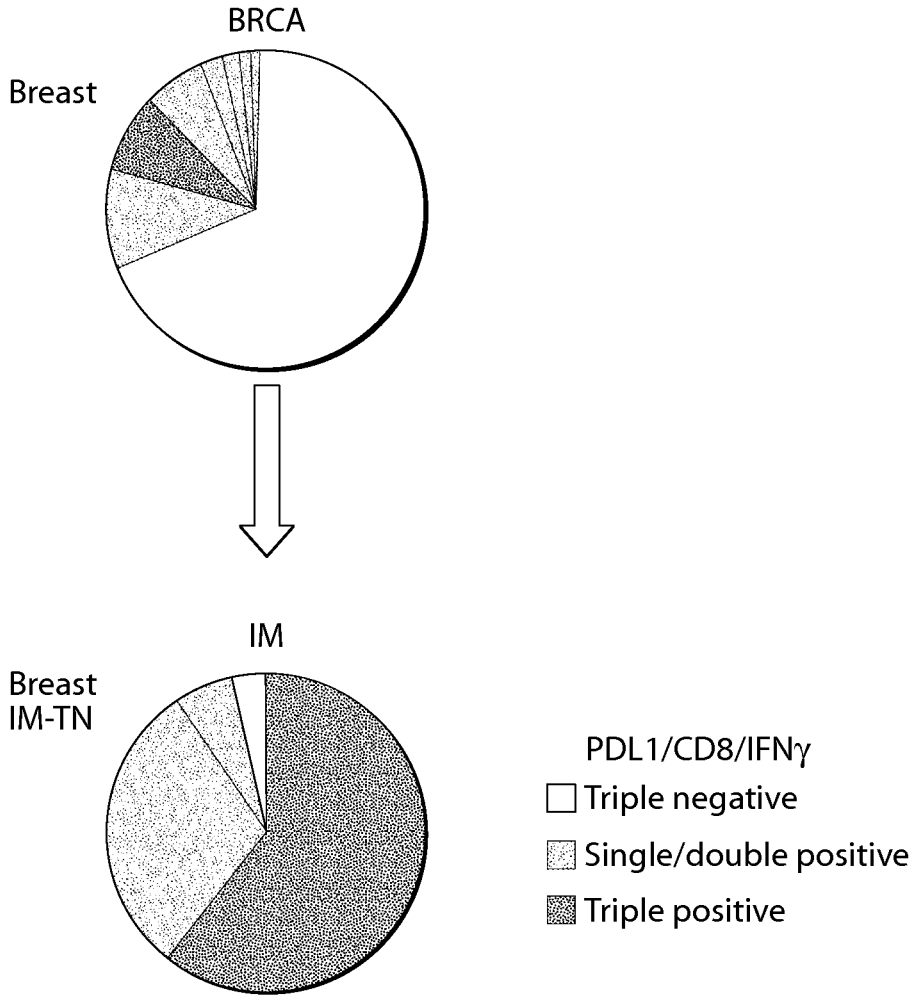

BRCA
Breast
IM
Breast
IM-TN
PDL1/CD8/IFNγ
Triple negative
Single/double positive
Triple positive

FIGURE 13

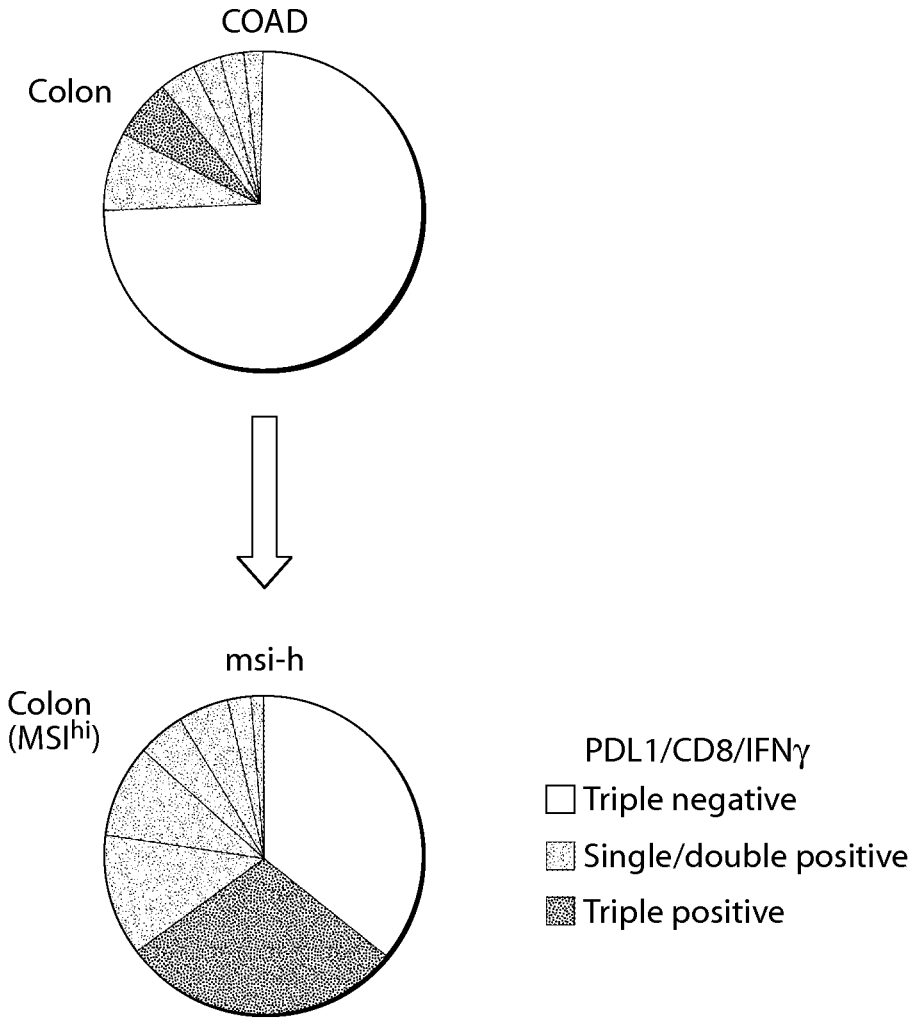

COAD
Colon
msi-h
Colon
(MSI^hi)
PDL1/CD8/IFNγ
Triple negative
Single/double positive
Triple positive

FIGURE 14