

1/ 48

FIG. 1

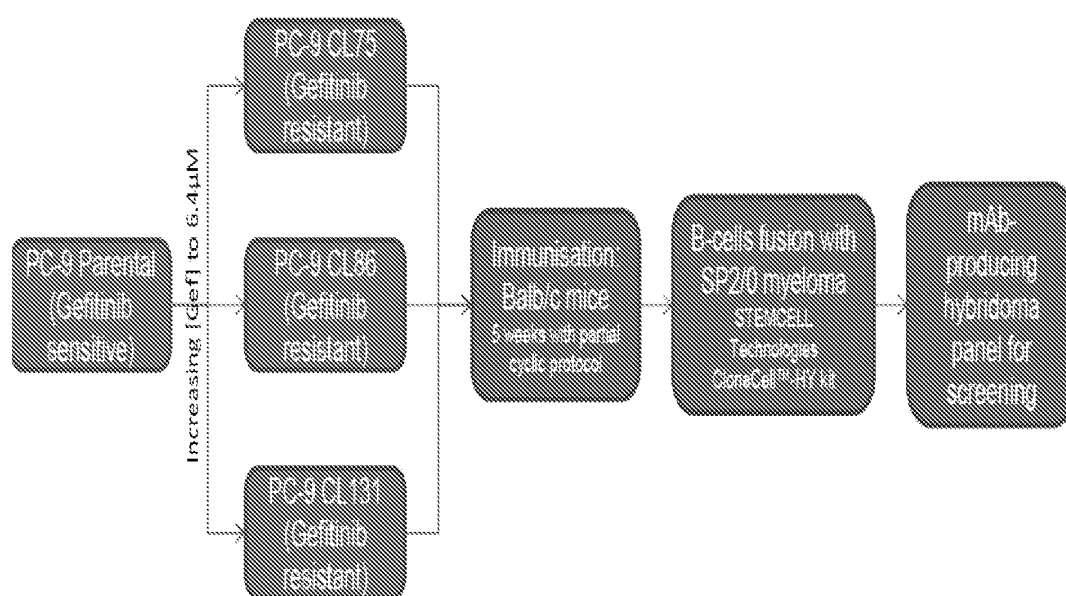


FIG. 2

A

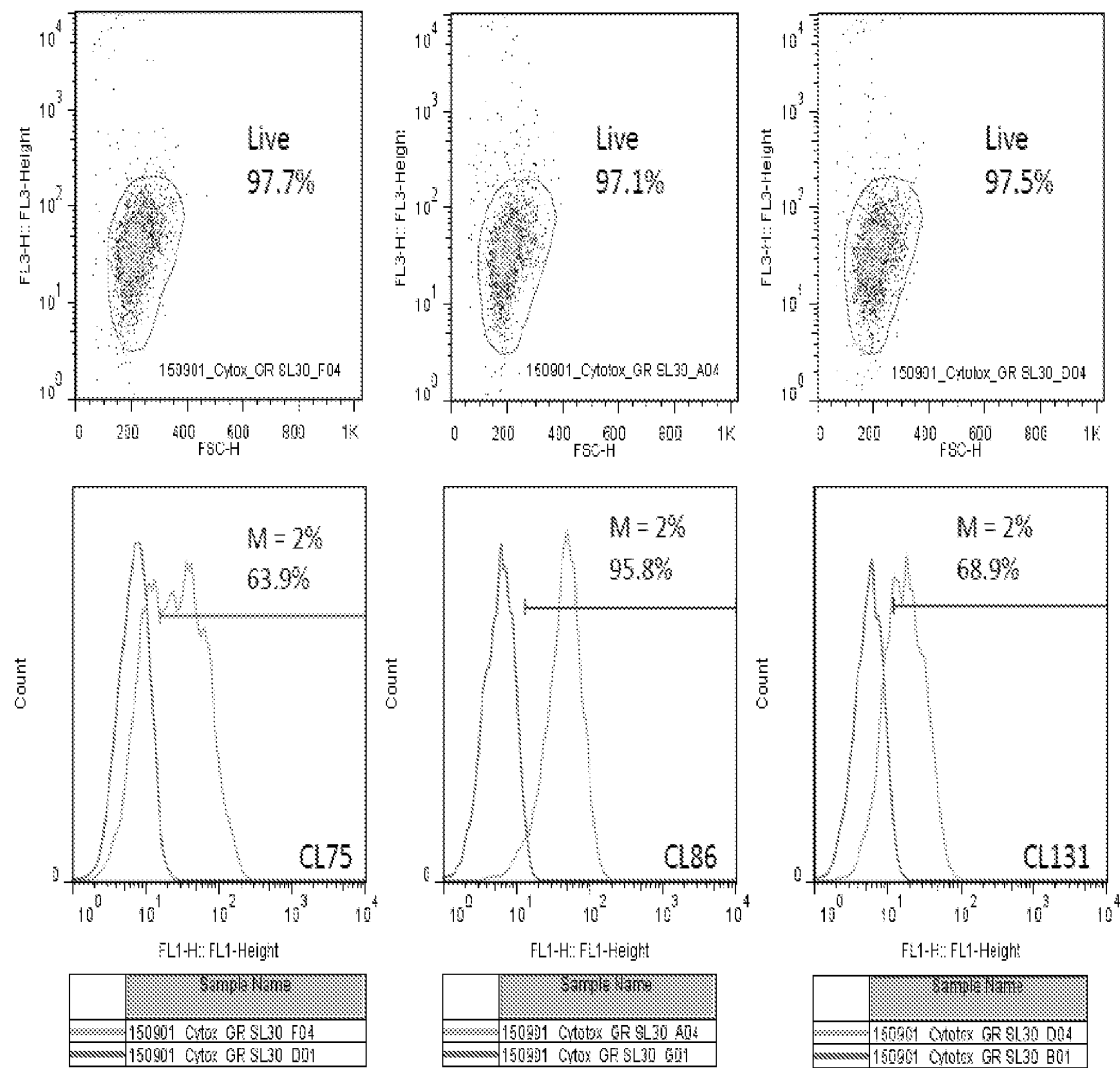


FIG. 2

B

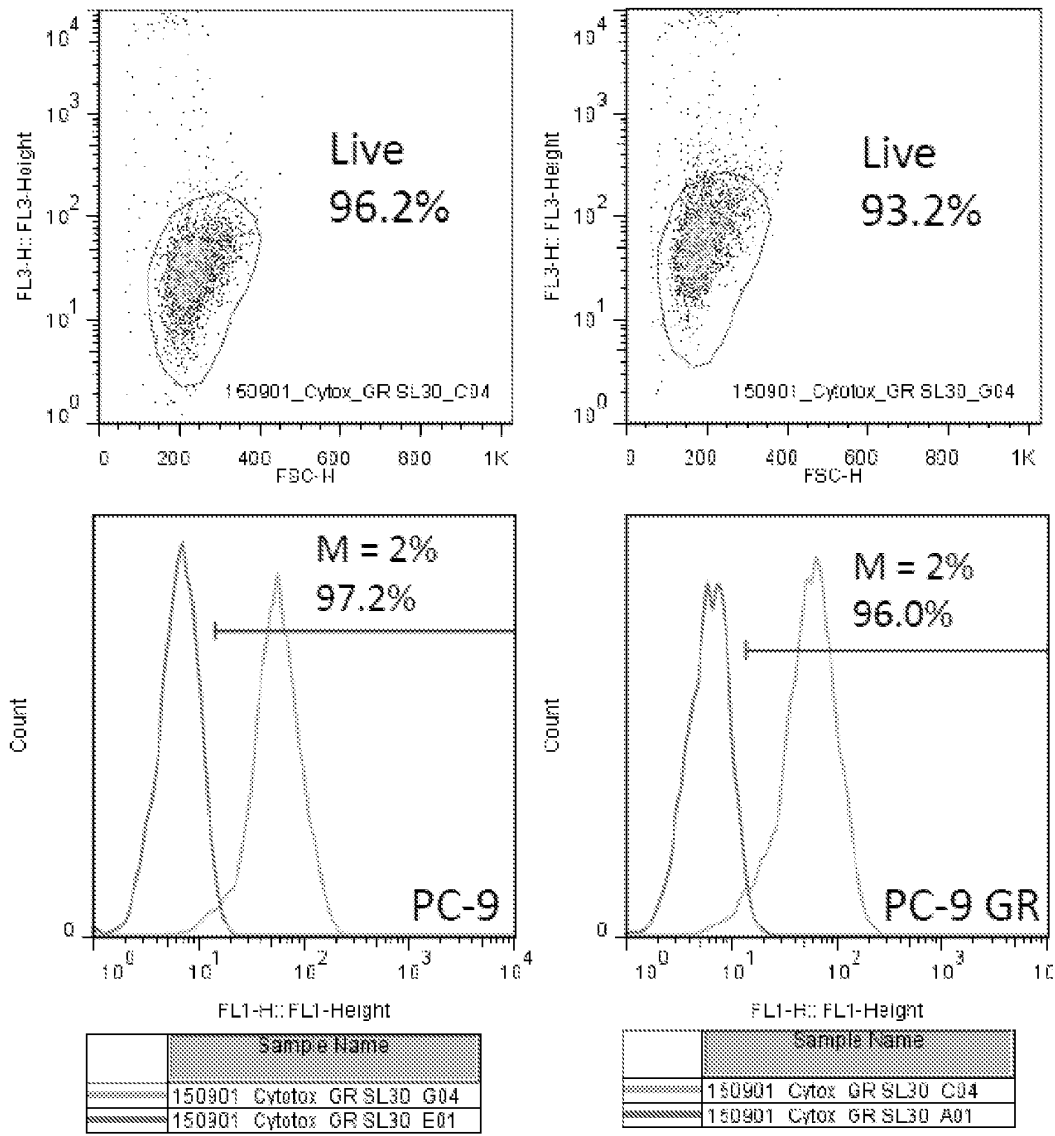


FIG. 3**A**

Gefitinib sensitivity	Cell Line	Live (% binding)	Legend: -: <8% +/-: 8 – 15% +: 15 – 25% ++: 25 – 50% +++: 50 – 75% ++++: 75 – 100%
Sensitive	PC-9	++++	
Acquired resistance	CL75	+++	
Acquired resistance	CL86	++++	
Acquired resistance	CL131	+++	
Acquired resistance	PC-9 GR	++++	

B

Gefitinib sensitivity	Cell Line	Live (% binding)
Resistant	A549	+
Resistant	H1299	-
Partially sensitive	Calu-3	+
Sensitive	HCC827	+/-

C

Gefitinib sensitivity	Cell Line	Live (% binding)
Sensitive	HCC827	+/-
Acquired resistance	GR 1	-
Acquired resistance	GR 2	+++
Acquired resistance	GR 3	-
Acquired resistance	GR 4	-
Acquired resistance	GR 5	++
Acquired resistance	GR 6	-

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Fig. 3**D**

TNBC status	Cell Line	Live (% binding)
HER+	HCC1954	+++
HER+	SKBR3	-
HER+/PR+/ER+	T47D	-
HER+/PR+/ER+	MCF7	-
HER+/PR+/ER+	Cama-1	-
HER+/PR+/ER+	BT474	++++
Triple-negative line	HCC1937	+
Triple-negative line	BT20	-
Triple-negative line	MB-231	-
Triple-negative line	BT549	-
Triple-negative line	Hs578T	-
Triple-negative line	MB-453	-
Triple-negative line	HCC1395	-

Legend:
 -: <8%
 +/-: 8 – 15%
 +: 15 – 25%
 ++: 25 – 50%
 +++: 50 – 75%
 ++++: 75 – 100%

E

Cell Line	Live (% binding)
COLO205	-
HT29	+++

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Fig. 3**F**

Cell Type	Cell Line	Live (% binding)	Legend:
Fibroblast	hFF	-	-: <8%
Fibroblast	MRC-5	-	+/-: 8 – 15%
Embryonic	HEK293	-	+: 15 – 25%
Stem Cell	aMSC	-	++: 25 – 50%
Endothelial	HUVEC	-	+++: 50 – 75%
Endothelial	B4G12	-	++++: 75 – 100%
Epithelial	HME1	-	
Epithelial	MCF10a	-	
Epithelial	HPNE	-	
PBMC		-	

FIG. 4

A

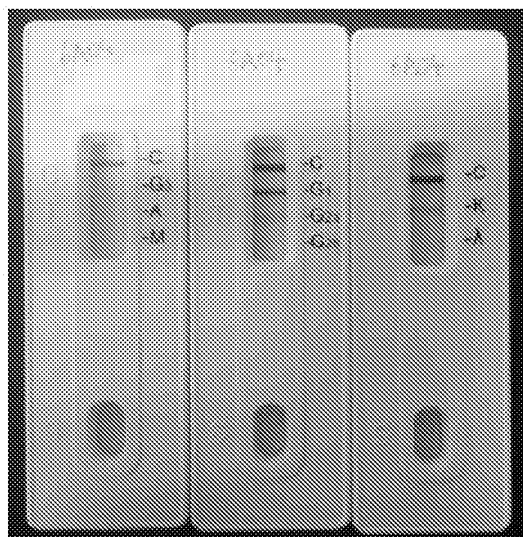


FIG. 4

B**Variable heavy chain (translated sequence, CDR underlined) (SEQ ID NO: 1)**

```

- S G P E L V K P G A S V K M S C
  K A S G N T F T S Y V M H W V K
  Q K P G Q G L E W I G Y I N P Y
N D G T K Y N E K F K G K A T L
  T S D K S S S T A Y M E L S S L
  T S E D S A V Y Y C A R S T A E
A T P Y F Y A M D Y W G Q G T S
  V T V S S

```

Variable light chain (translated sequence, CDR underlined) (SEQ ID NO: 2)

```

- D I L M T Q S P S S L A V T A G
  E K V T M R C K S S Q S L L W S
V N Q N S Y L S W Y Q L K Q G Q
  P P K L L L Y G A S I R E S W V
  P D R F T G S G S G T D F T L T
  I S N V H V E D L A V Y Y C Q H
N H G S F L P Y T F G G G T K L
  E I K

```

Fig. 4

C

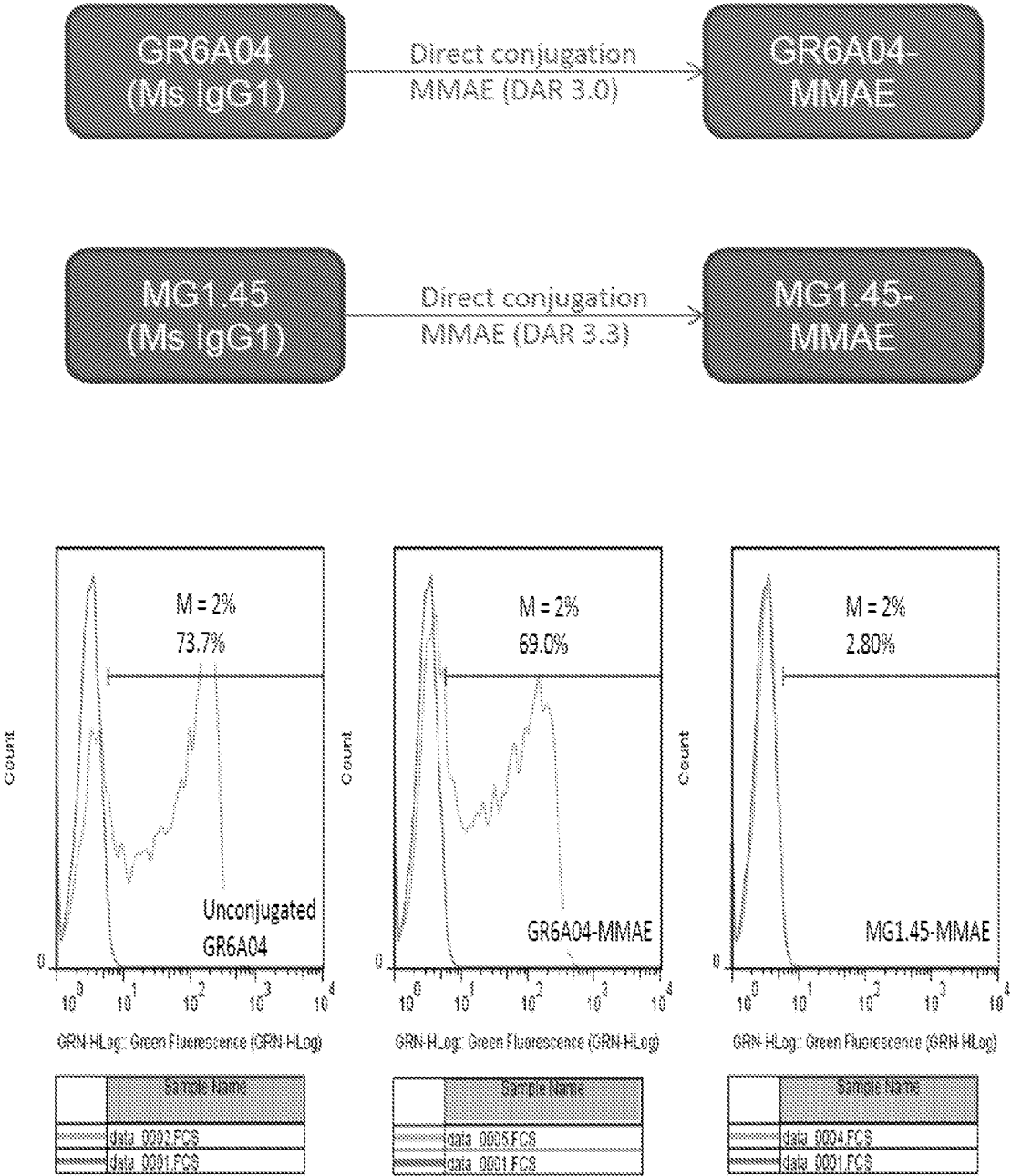


Fig. 4

D

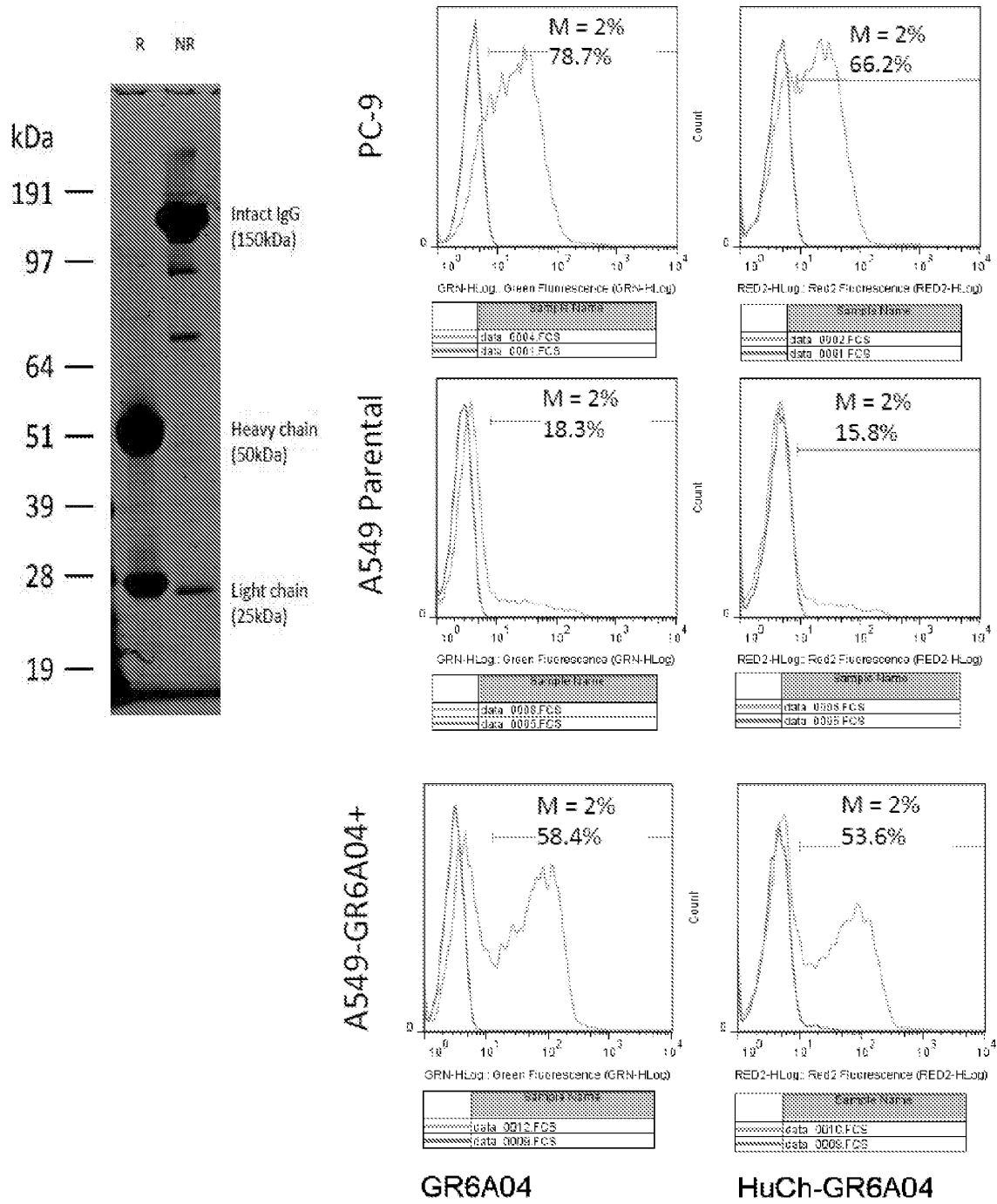
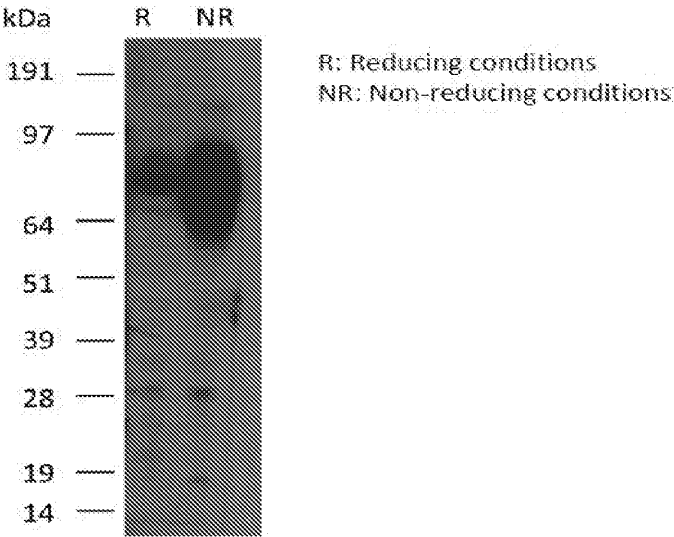
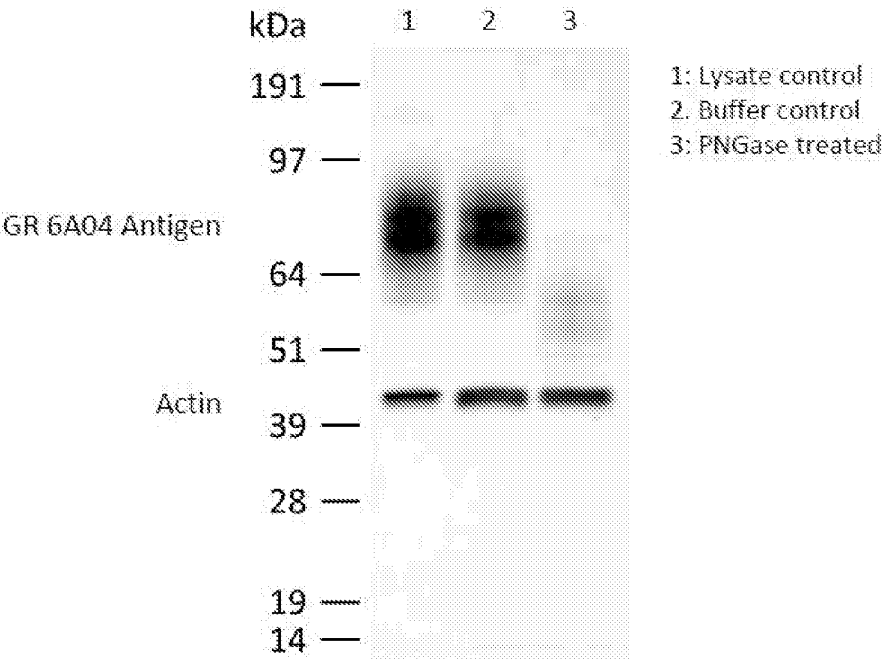


Fig. 5

A



B



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Fig. 6

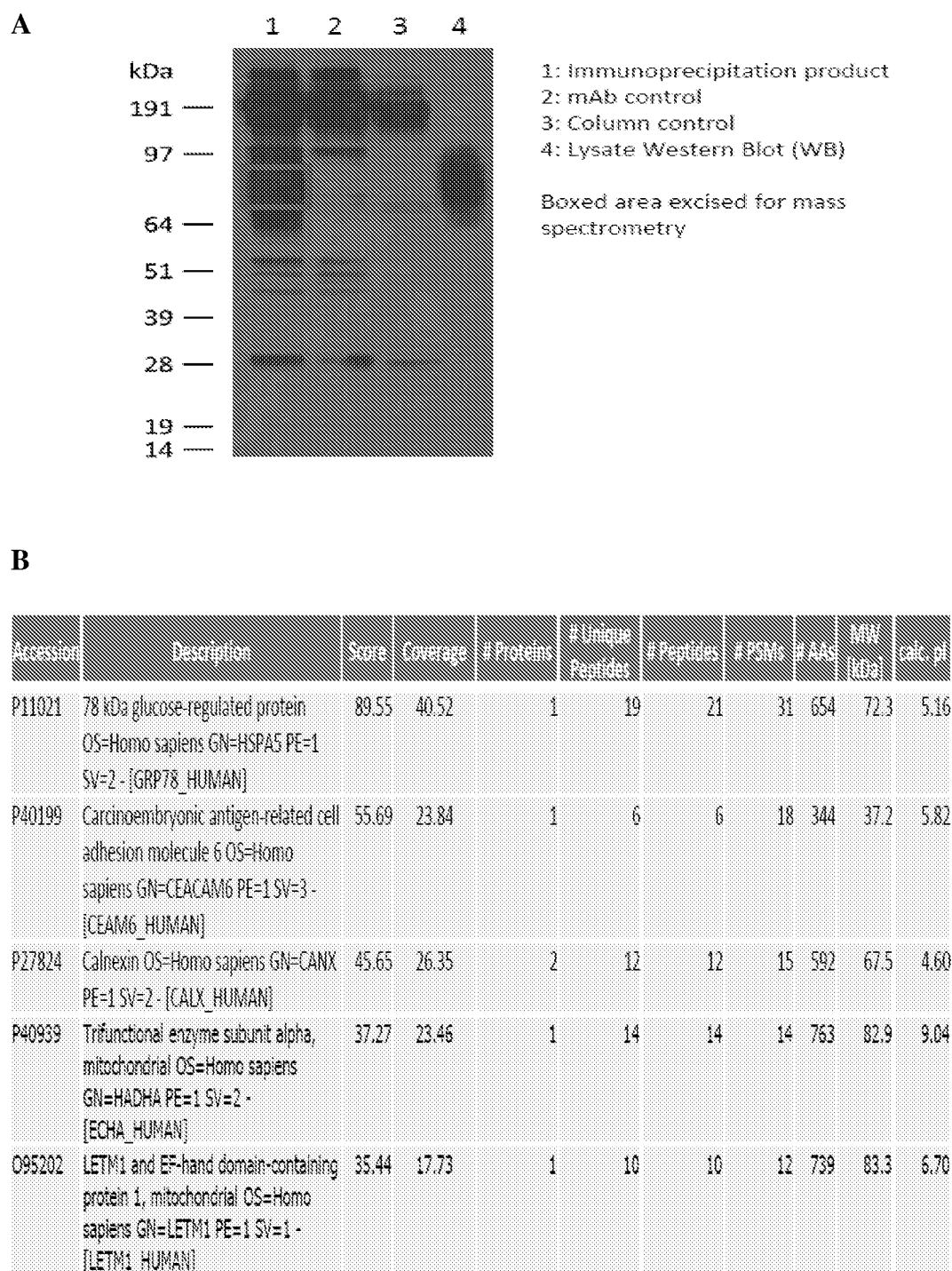


Fig. 7

A

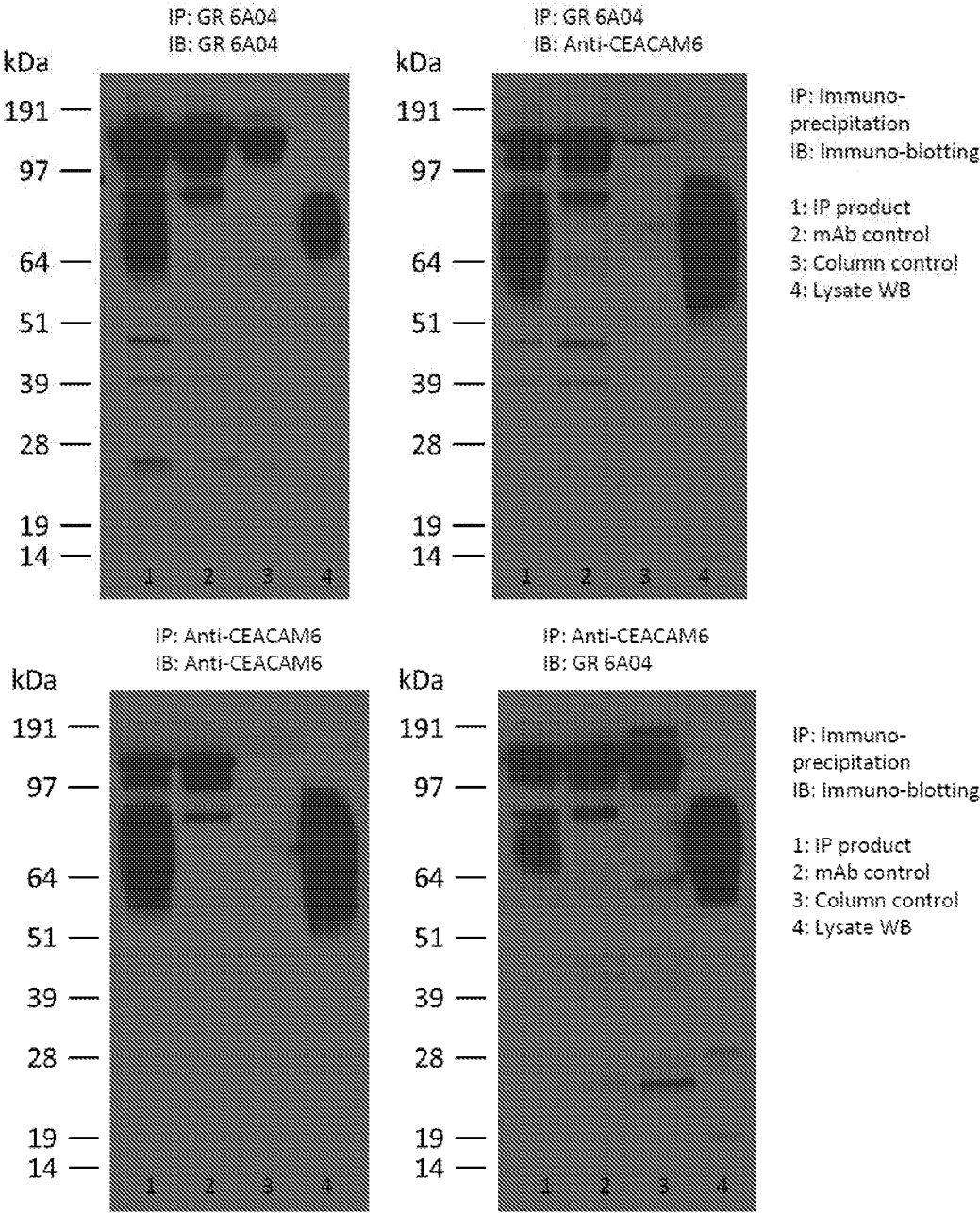


Fig. 7

B

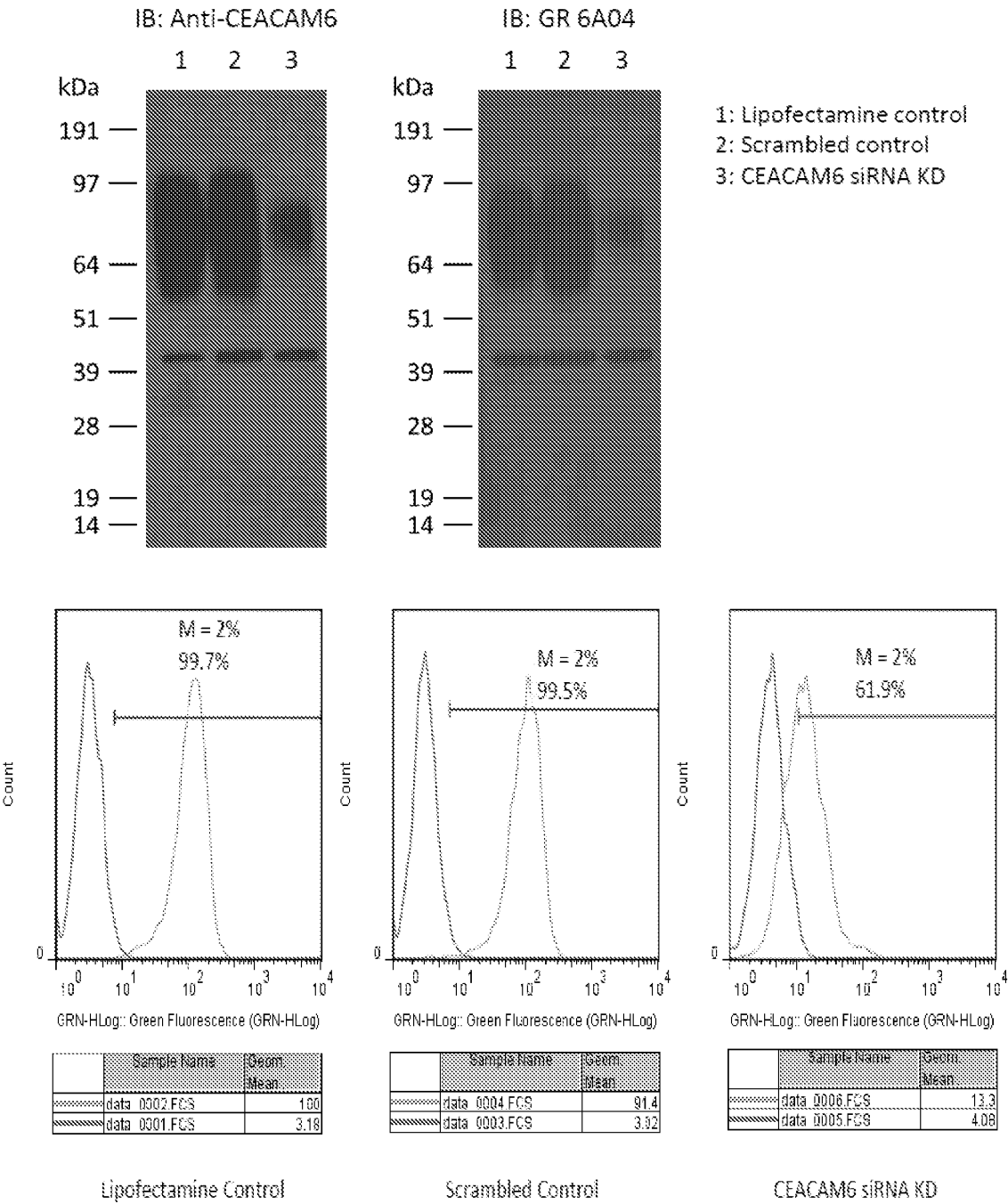


Fig. 9

	1	2	3	4	5	6
A	Brain Cerebral cortex*	Breast Normal, hyperplasia	Intestine, colon Normal Colon	Liver Normal and cell swelling	Lung Normal	Prostate Normal, hyperplasia
	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+
B	Brain Cerebral cortex*	Breast Normal, hyperplasia	Intestine, colon Normal Colon	Liver Normal and cell swelling	Lung Normal	Prostate Normal, hyperplasia
	0/1+	0/1+	2+	0/1+	0/1+	0/1+
C	Tonsil Tonsillitis	Breast Invasive ductal carcinoma Gr II - III, T4N2M0	Intestine, colon Adenocarcinoma Gr I - II, T2N0M0	Liver Hepatocellular carcinoma Gr III, T2N0M0	Lung Squamous cell carcinoma Gr III, T2N1M0	Prostate Prostate adenocarcinoma Gr III, T3N0M0
	0/1+	0/1+	2+	0/1+	2+	0/1+
D	Tonsil Tonsillitis	Breast Invasive ductal carcinoma Gr II - III, T4N2M0	Intestine, colon Adenocarcinoma Gr I - II, T2N0M0	Liver Hepatocellular carcinoma Gr III, T2N0M0	Lung Squamous cell carcinoma Gr III, T2N1M0	Prostate Prostate adenocarcinoma Gr III, T3N0M0
	0/1+	0/1+	2+	0/1+	2+	0/1+

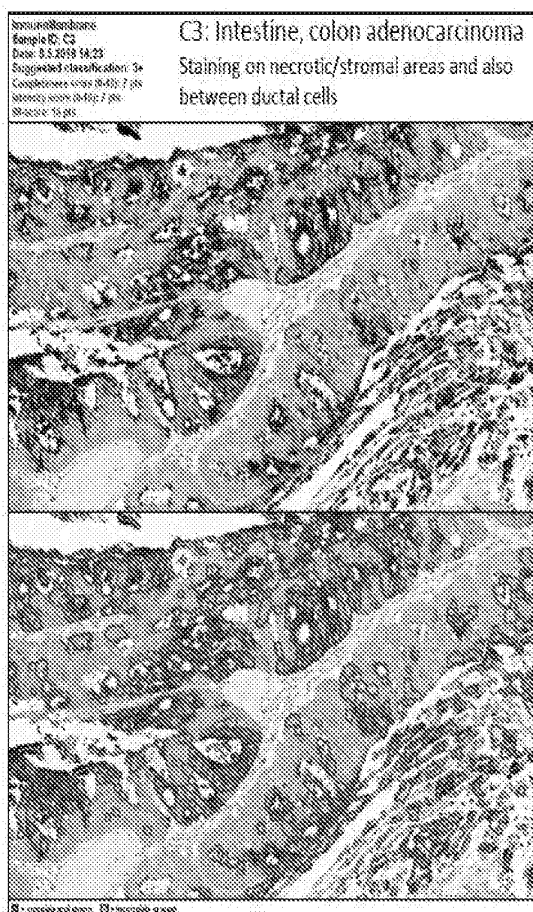
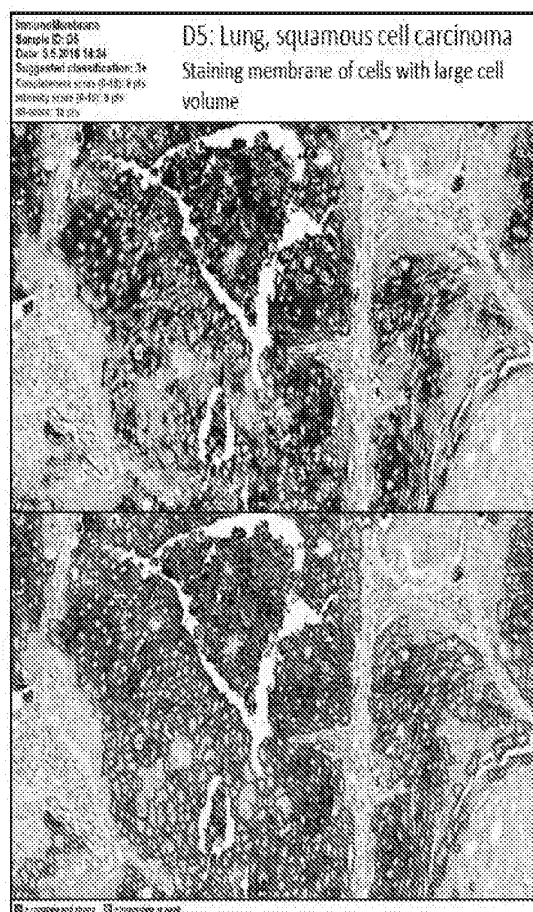


Fig. 10

	1	2	3	4	5	6	7	8
A	Bladder, urinary Transitional cell carcinoma Gr II, T4N0M0	Breast Invasive ductal carcinoma, tubular type Gr I-II, T3N0M0	Lung Small cell carcinoma T2N1M0	Esophagus Squamous cell carcinoma Gr II, T2N1M0	Intestine, colon Adeno carcinoma Gr II, T3N1M0	Liver Hepato cellular carcinoma Gr I-II, T2N0M0	Ovary Endometrioid adeno carcinoma Gr III, T2N0M0	Prostate Hyperplasia
	0/1+	0/1+	0/1+	2+	1+	0/1+	0/1+	0/1+
B	Bladder, urinary Transitional cell carcinoma Gr II, T3N0M0	Breast Invasive lobular carcinoma Gr I, T3N1M0	Lung Squamous cell carcinoma Gr II-III, T2N0M0	Esophagus Squamous cell carcinoma Gr I-II, T3N0M0	Intestine, colon Adeno carcinoma Gr II, T3N1M0	Liver Hepato cellular carcinoma Gr II, T4N0M0	Ovary Serous cystadeno carcinoma Gr I-II, T2N0M0	Prostate Adeno carcinoma Gr III, T2N0M0
	0/1+	0/1+	0/1+	3+	1+	0/1+	0/1+	0/1+
C	Bladder, urinary Transitional cell carcinoma Gr I-II, T2N0M0	Breast Invasive ductal carcinoma Gr II, T3N1M0	Lung Squamous cell carcinoma Gr II, T2N1M0	Stomach Adeno carcinoma Gr II, T3N2M0	Intestine, colon Adeno carcinoma Gr III, T3N2M0	Liver Hepato cellular carcinoma Gr III, T3N0M0	Ovary Adeno carcinoma Gr II, T2N0M0	Skin Normal
	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+
D	Uterus, cervix Squamous cell carcinoma Gr III, T1N1M0	Breast Invasive ductal carcinoma Gr I, T4N1M0	Lung Adeno carcinoma Gr II-III, T3N1M0	Stomach Adeno carcinoma Gr II-III, T3N2M0	Intestine, rectum Adeno carcinoma Gr II, T2N0M0	Kidney Clear cell carcinoma T1N0M0	Uterus, endometrium Adeno carcinoma Gr II, T1N0M0	Skin Squamous cell carcinoma Gr I-II, T1N0M0
	0/1+	0/1+	2+	0/1+	1+	0/1+	0/1+	0/1+
E	Uterus, cervix Squamous cell carcinoma Gr II-III, T2N0M0	Breast Invasive ductal carcinoma Gr III, T2N1M0	Lung Adeno carcinoma Gr III, T2N1M0	Stomach Adeno carcinoma Gr II, T3N2M0	Intestine, rectum Adeno carcinoma Gr II, T2N0M0	Kidney Clear cell carcinoma T1N0M0	Uterus, endometrium Adeno carcinoma Gr I-II, T2N0M0	Lymph node, inguinal Metastatic melanoma
	0/1+	0/1+	0/1+	0/1+	2+	0/1+	2+	0/1+
F	Uterus, cervix Squamous cell carcinoma Gr III, T1N0M0	Breast Invasive ductal carcinoma Gr III, T3N0M0	Lung Adeno carcinoma Gr II-III, T3N0M0	Intestine, small intestine Adeno carcinoma Gr I, T3N2M0	Intestine, rectum Adeno carcinoma Gr II, T2N0M0	Kidney Clear cell carcinoma T2N0M0	Uterus, endometrium Adeno carcinoma Gr III, T1N0M0	Tonsil Tonsillitis
	0/1+	0/1+	0/1+	2+	2+	0/1+	0/1+	0/1+

Fig. 10 (cont'd)

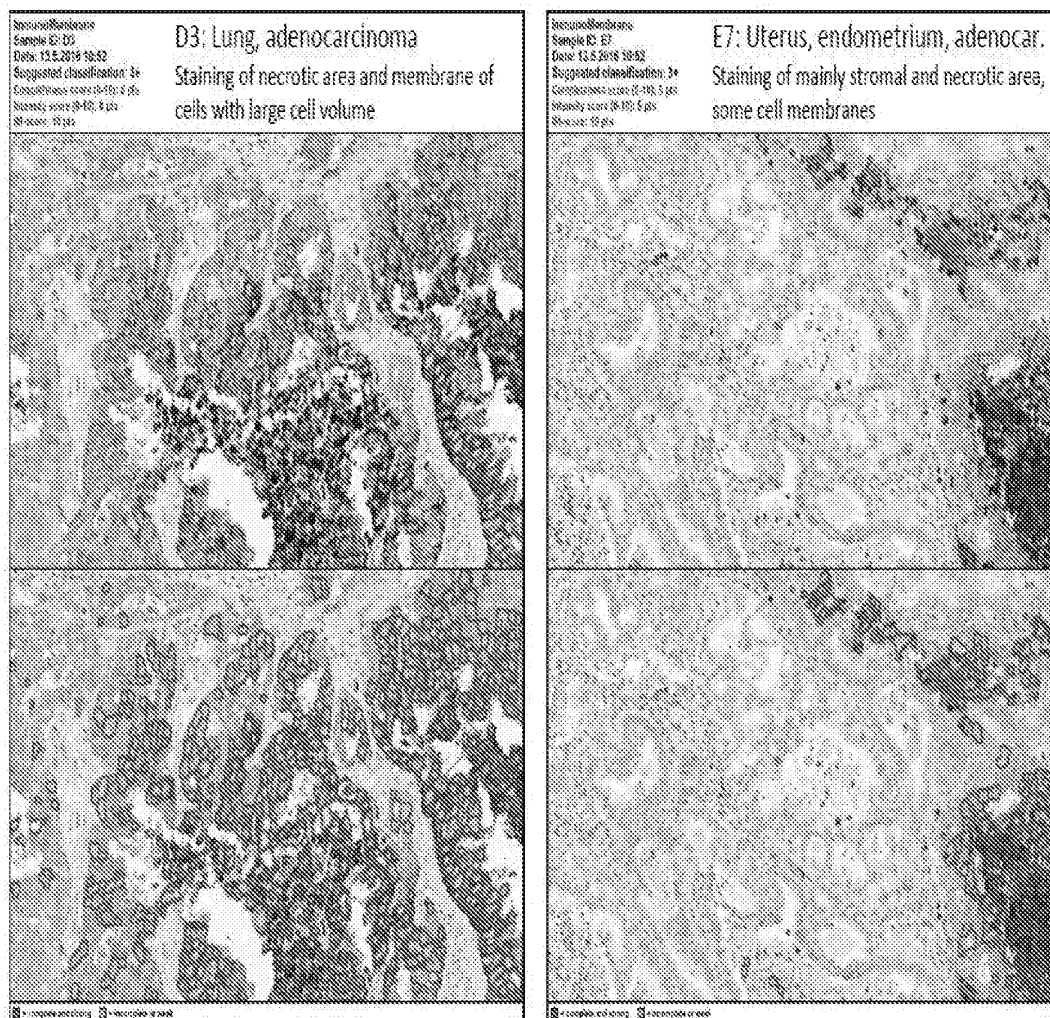
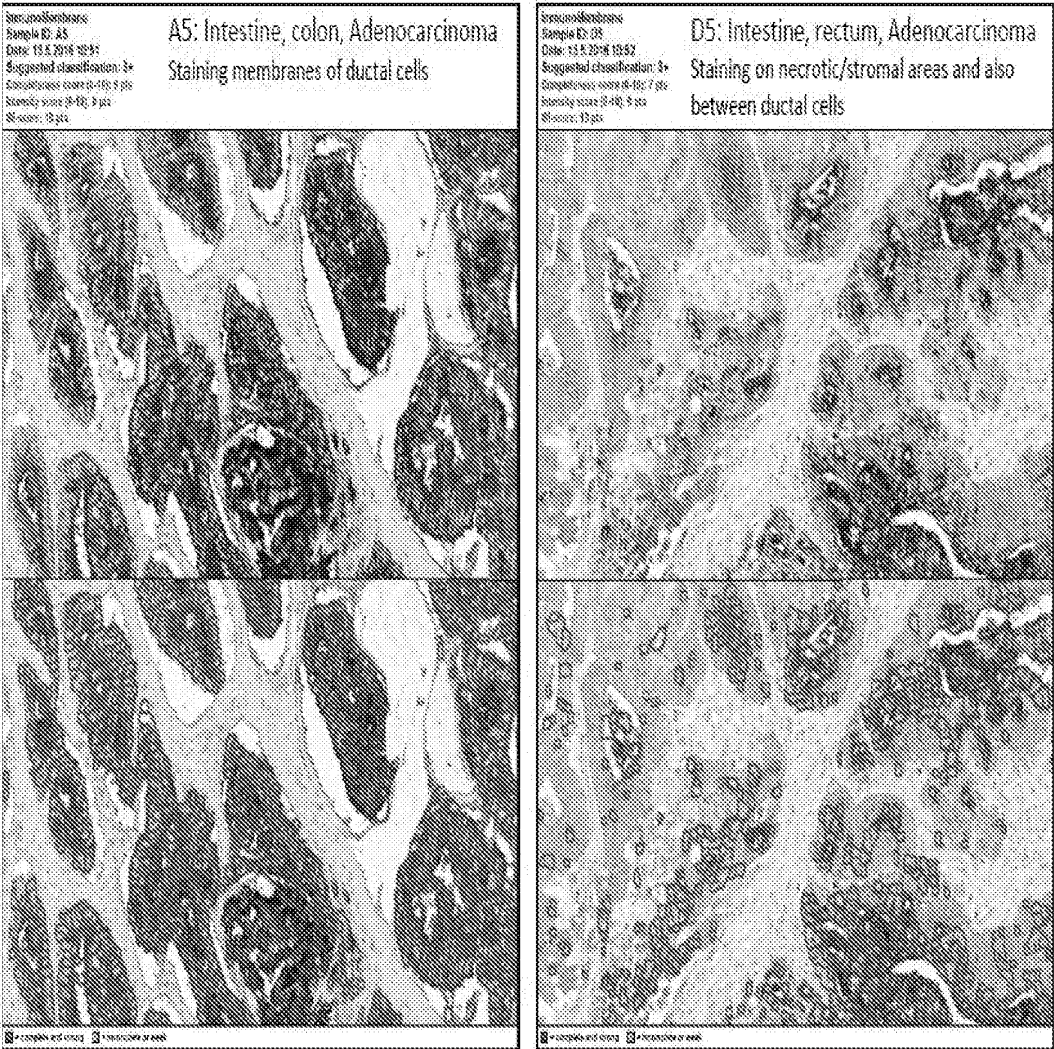


Fig. 10 (cont'd)



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Fig. 10 (cont'd)

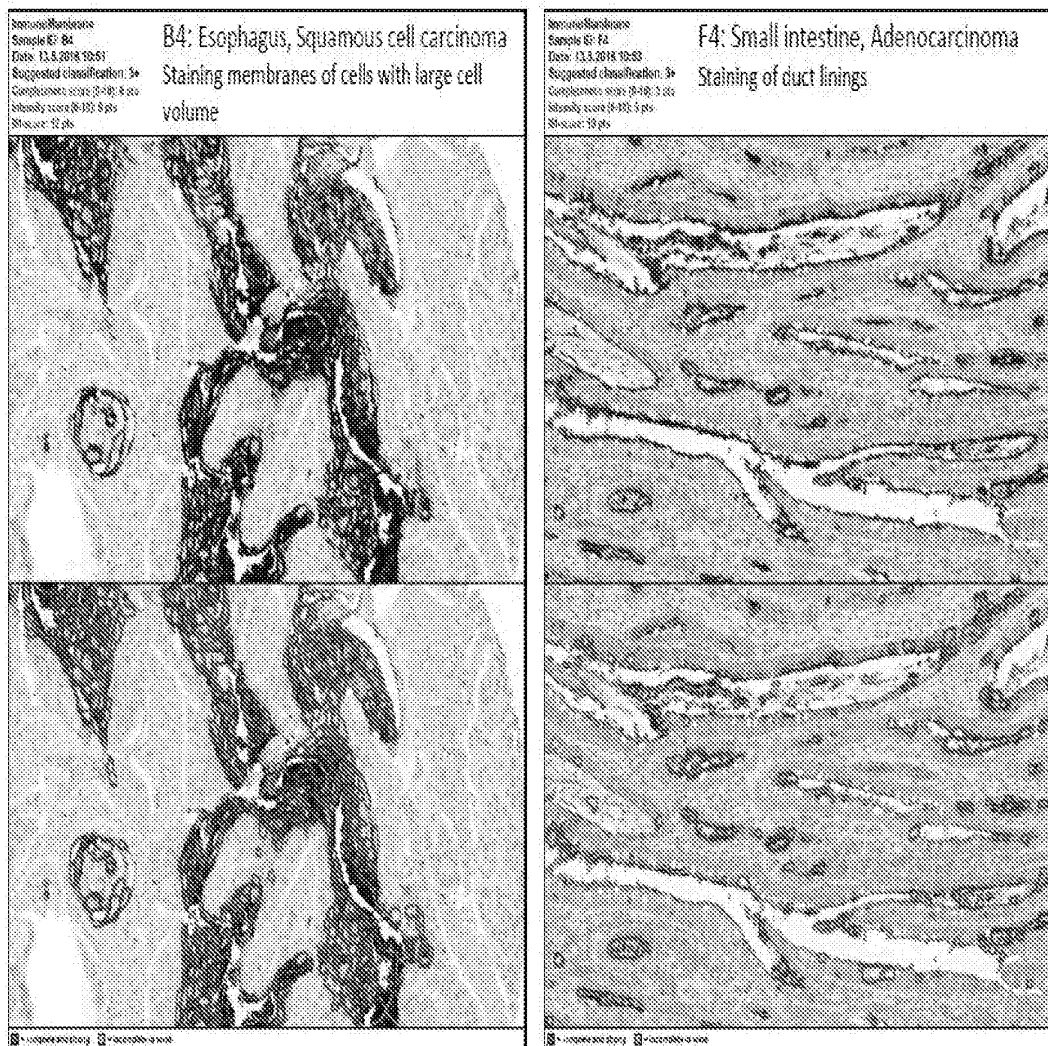


Fig. 11

A

[illegible]

Fig. 11 (cont'd)

A

	1	2	3	4	5	6	7	8	9	10	11	12
E	Lung	Lung	Lung	Lung	Lung	Lymph node	Lymph node, neck	Lymph node, axillary	Lymph node, neck	Head and neck,	Head and neck,	Head and neck,
Diagnosis	<i>Normal</i>	Squamous cell carcinoma	Squamous cell carcinoma	Adeno carcinoma	Small cell carcinoma	<i>Reactive</i>	Lymphoma, Hodgkin lymphoma	Lymphoma, non-Hodgkin B-cell lymphoma	Lymphoma, anaplastic large cell lymphoma	Adeno carcinoma	Squamous cell carcinoma	Nasopharyngeal carcinoma, NPC
Grade		II	II-III	III						III-IV	II	III
TMN		T2N2M0	T2N0M0	T2N2M0	T3N0M0						T2N0M0	T2N0M0
Score	2+ (False +)	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	2+	0/1+
F	Ovary	Ovary	Ovary	Ovary	Pancreas	Pancreas	Prostate	Prostate	Prostate	Head and neck,	Head and neck,	Head and neck,
Diagnosis	<i>Normal</i>	Granulosa cell tumor	Adeno carcinoma	Endometrioid adeno carcinoma	<i>Normal</i>	Adeno carcinoma	<i>Normal, hyperplasia</i>	Adeno carcinoma	Adeno carcinoma	<i>Normal</i>	Pleomorphic adenoma	Adenoid cystic carcinoma
Grade			III	III		II		II	III			I-II
TMN			T2N0M0	T1N0M0		T3N1M1		T2N0M0	T3N0M0			T1N0M0
Score	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+
G	Skin	Skin, trunk	Head and neck,	Testis	Testis	Testis	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid
Diagnosis	<i>Normal</i>	Squamous cell carcinoma	Melanoma	<i>Normal</i>	Seminoma	Seminoma	<i>Normal</i>	Adenoma	Adenoma	Adenoma	Follicular carcinoma	Follicular papillary adeno carcinoma
Grade		II										
TMN		T2N0M0									T3N1M0	T2N1M0
Score	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	0/1+	2+ (False +)	0/1+
H	Uterus, cervix	Uterus, cervix	Uterus, cervix	Uterus, endometrium	Uterus, endometrium	Uterus, endometrium	Liver	Lung	Lymph node	Ovary	Lymph node	
Diagnosis	<i>Normal</i>	Squamous cell carcinoma	Squamous cell carcinoma	<i>Normal</i>	Adeno carcinoma	Adeno carcinoma	Meta static colon adeno carcinoma	Meta static cancers, from gastro intestinal site?	Meta static breast invasive ductal carcinoma	Meta static colon signet ring cell carcinoma	Meta static esophagus squamous cell carcinoma	
Grade		III	III		I-II	II-III						
TMN		T1N0M0	T1N1M0		T2N0M0	T1N1M0						
Score	0/1+	0/1+	2+	0/1+	2+	0/1+	3+	0/1+	0/1+	2+	0/1+	

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Fig. 11 (cont'd)**A**

Cancer tissue type	Cores stained
Breast	1/5
Gastro-intestinal	8/15
Head & neck	1/6
Uterus	2/4
Metastatic secondary	2/5

Fig. 11

B

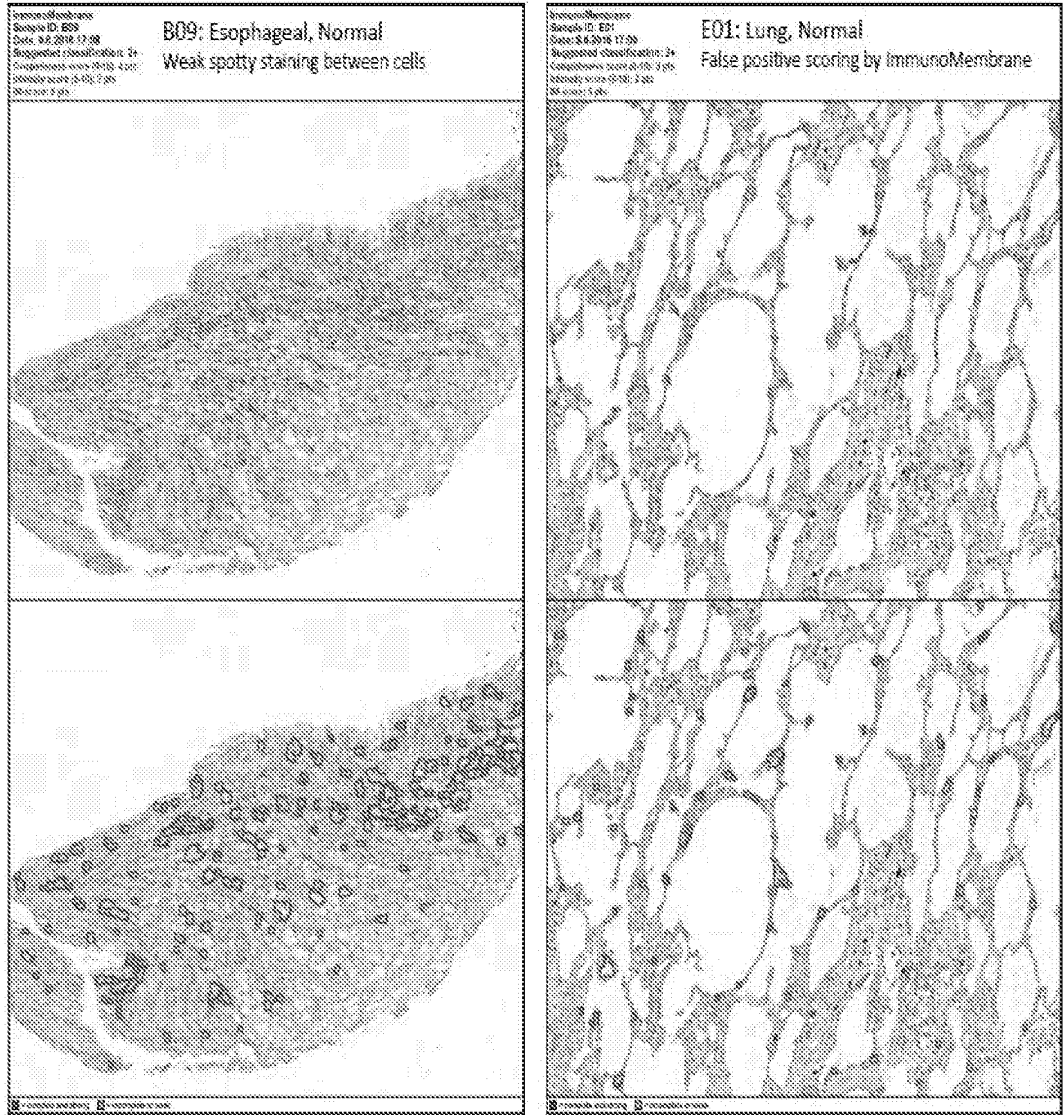


Fig. 11

C

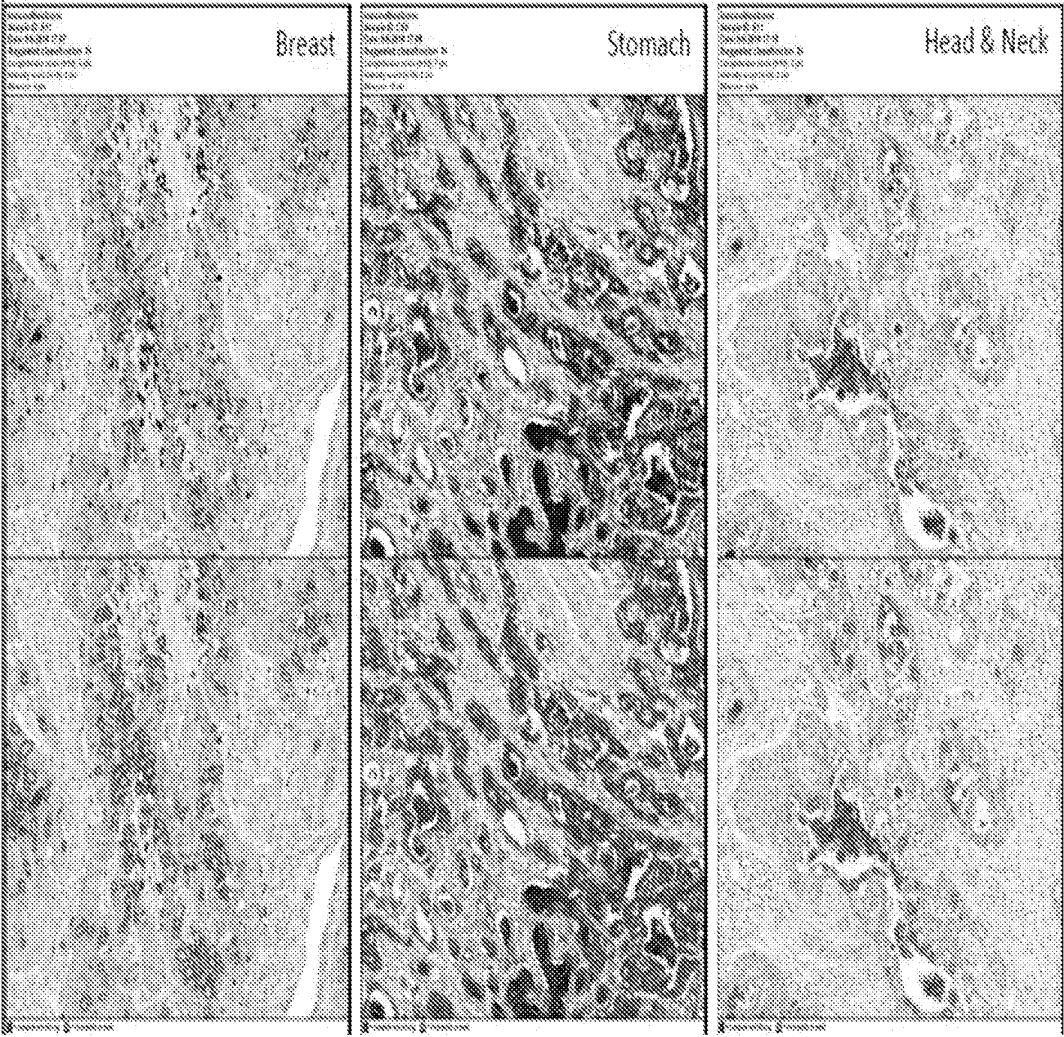


Fig. 11 (cont'd)

C

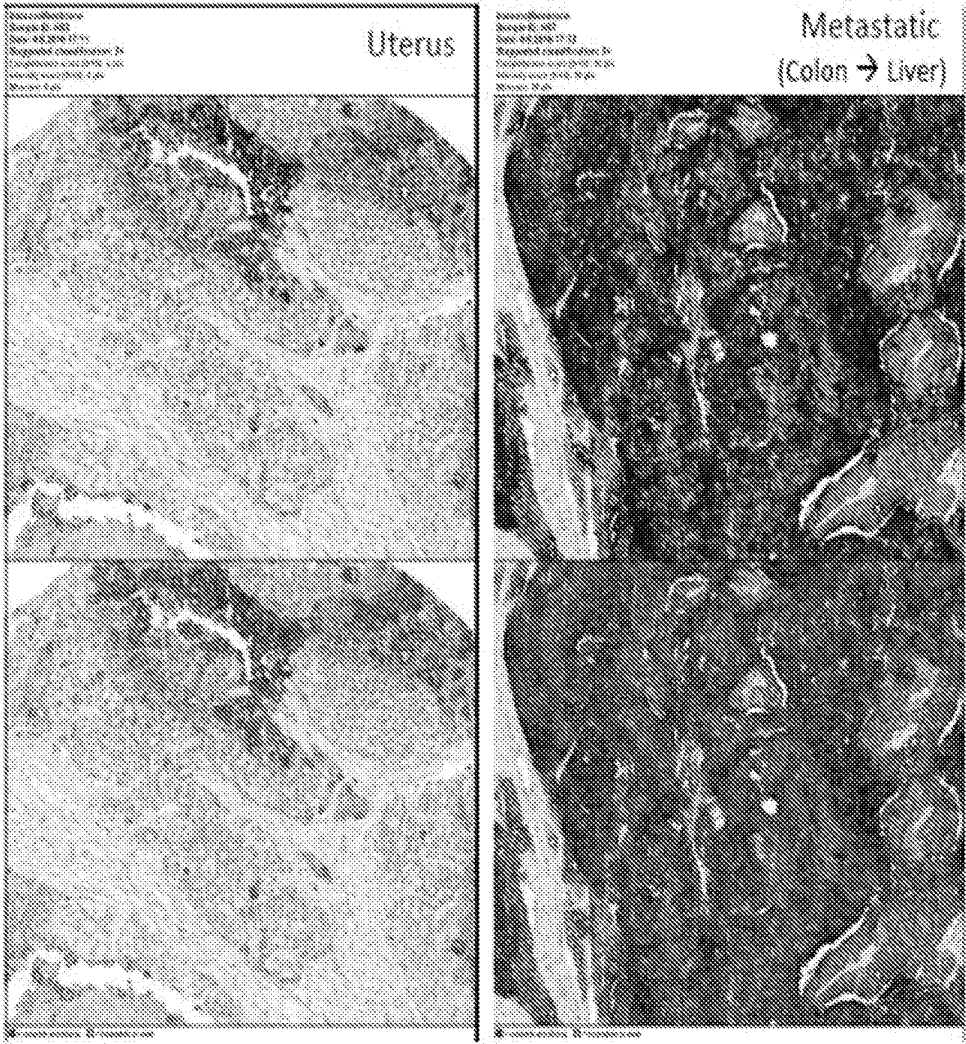


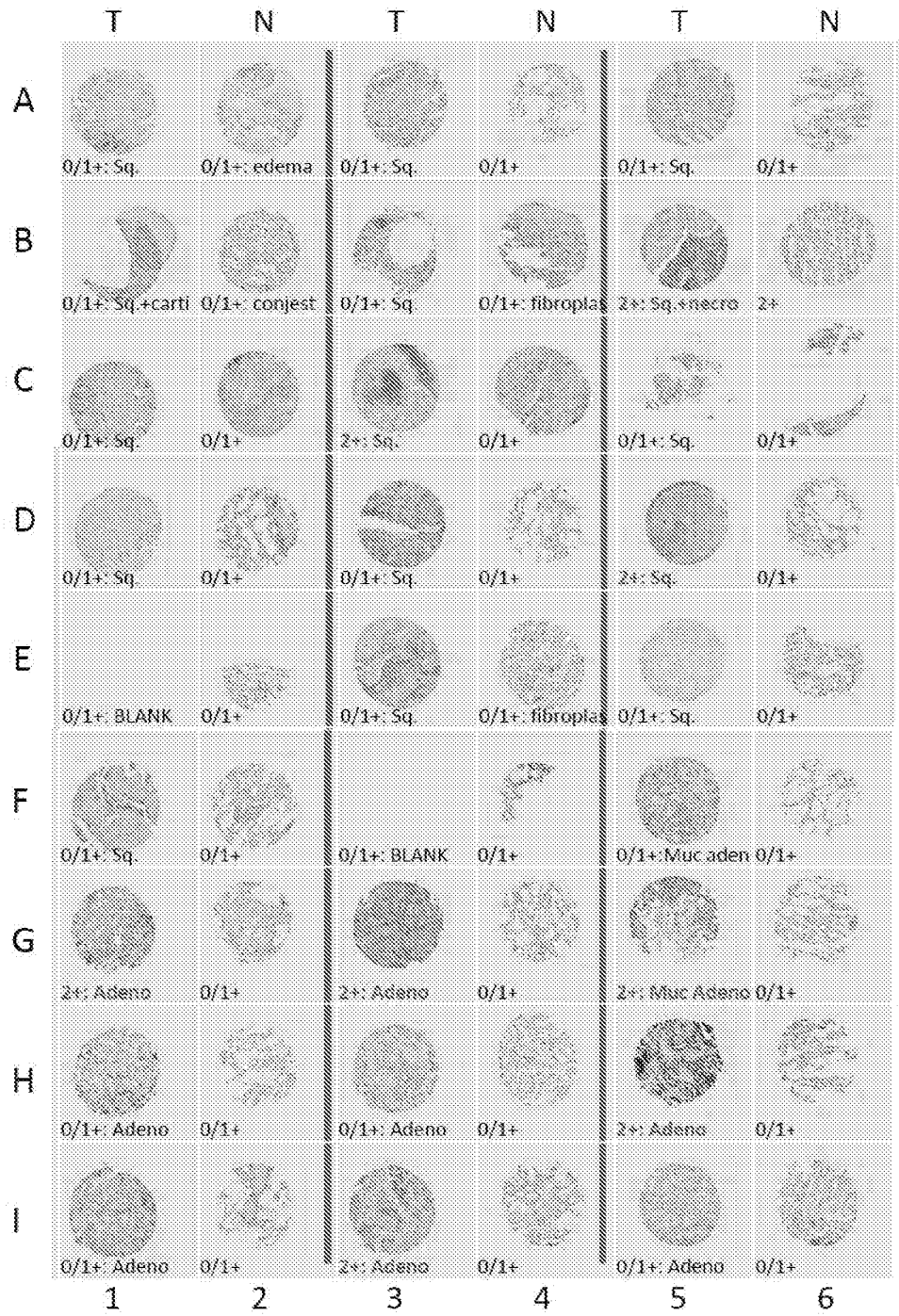
Fig. 12

[illegible]

Fig. 12 (cont'd)

[illegible]

Fig. 13



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Fig. 13 (cont'd)

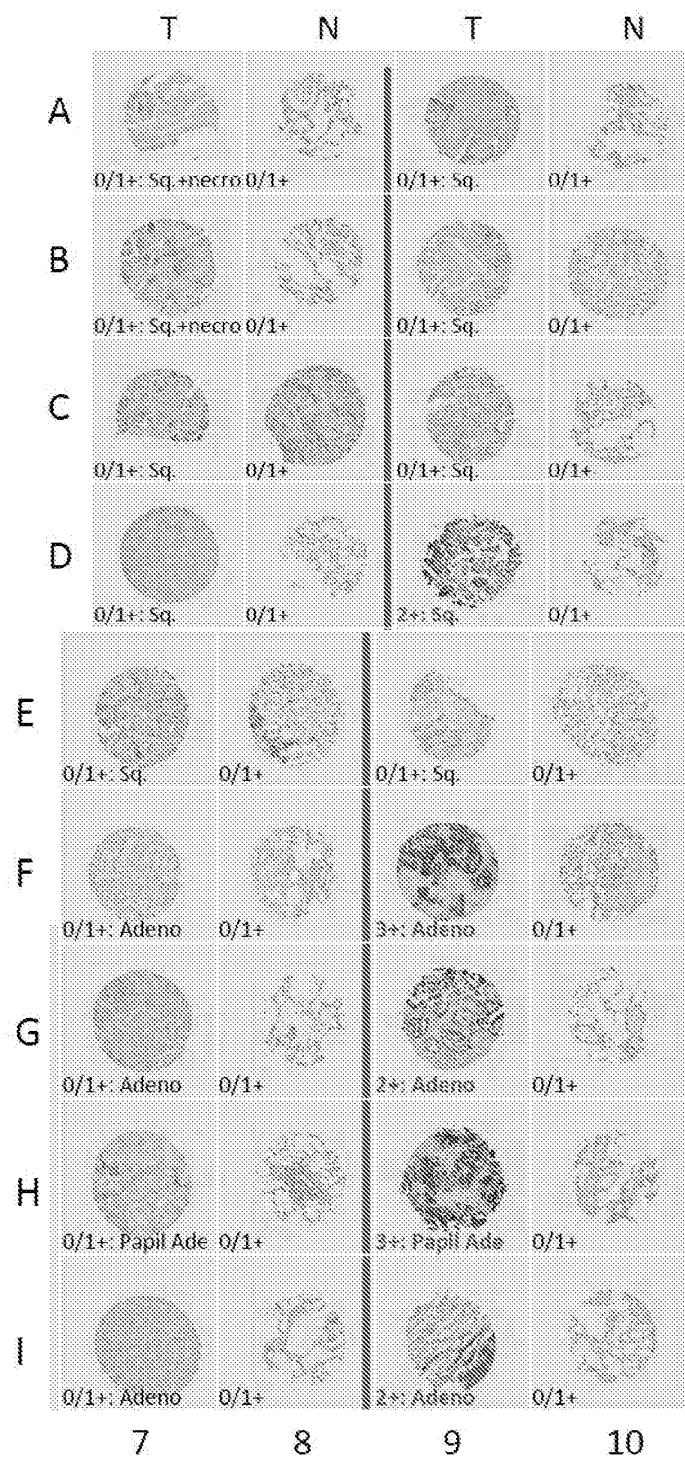


Fig. 14

[illegible]

Fig. 14 (cont'd)

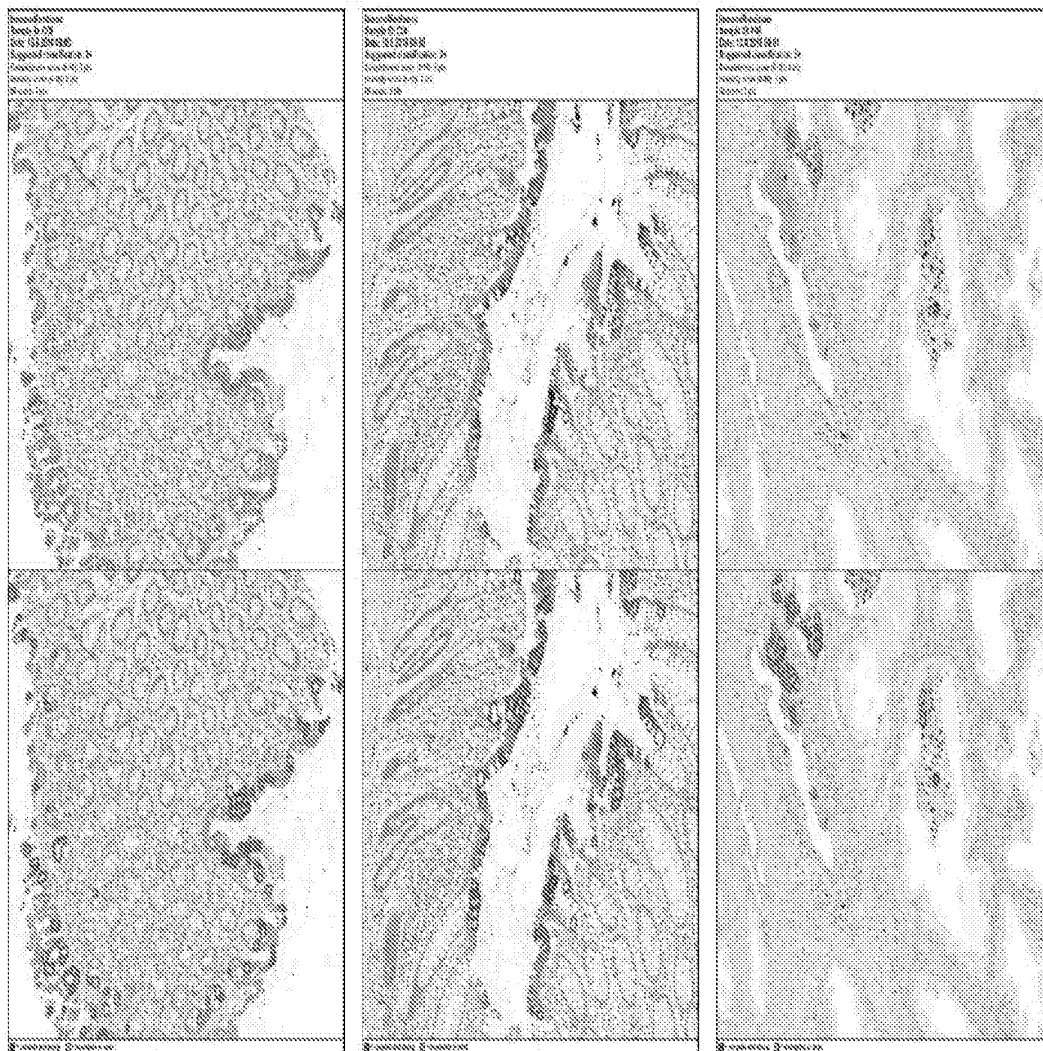


Fig. 15

A

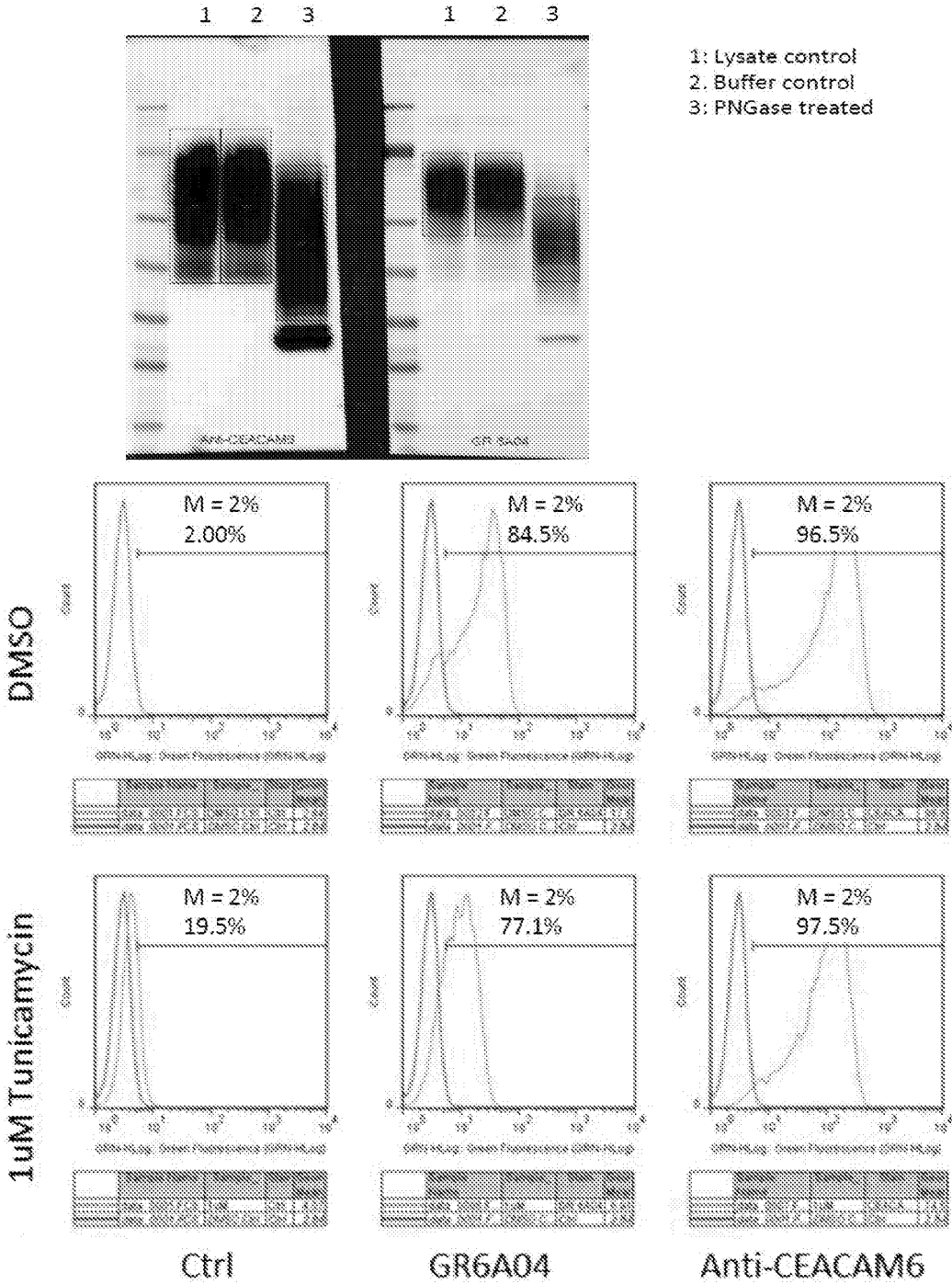


Fig. 15

B

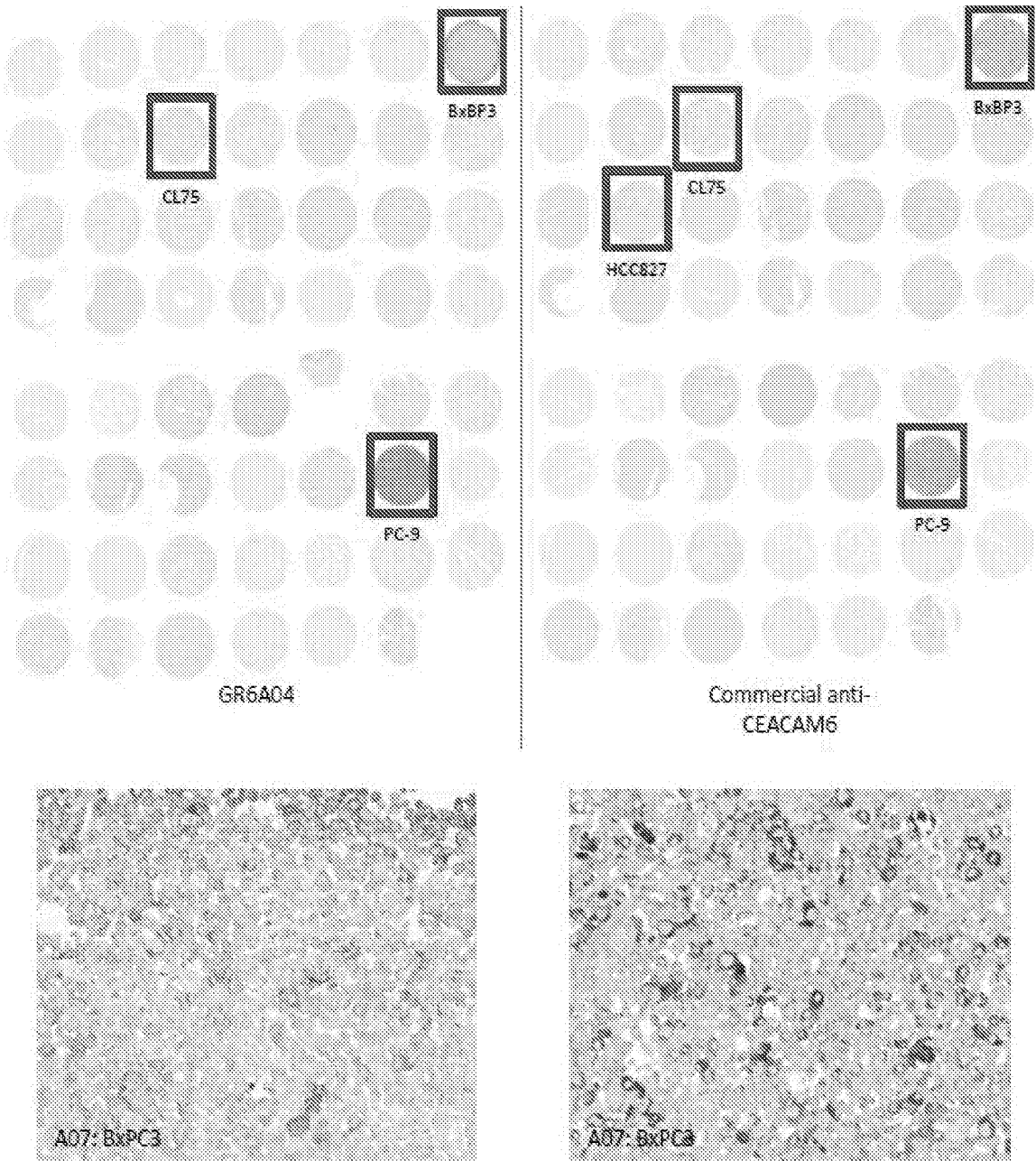


Fig. 16

[illegible]

Fig. 16 (cont'd)

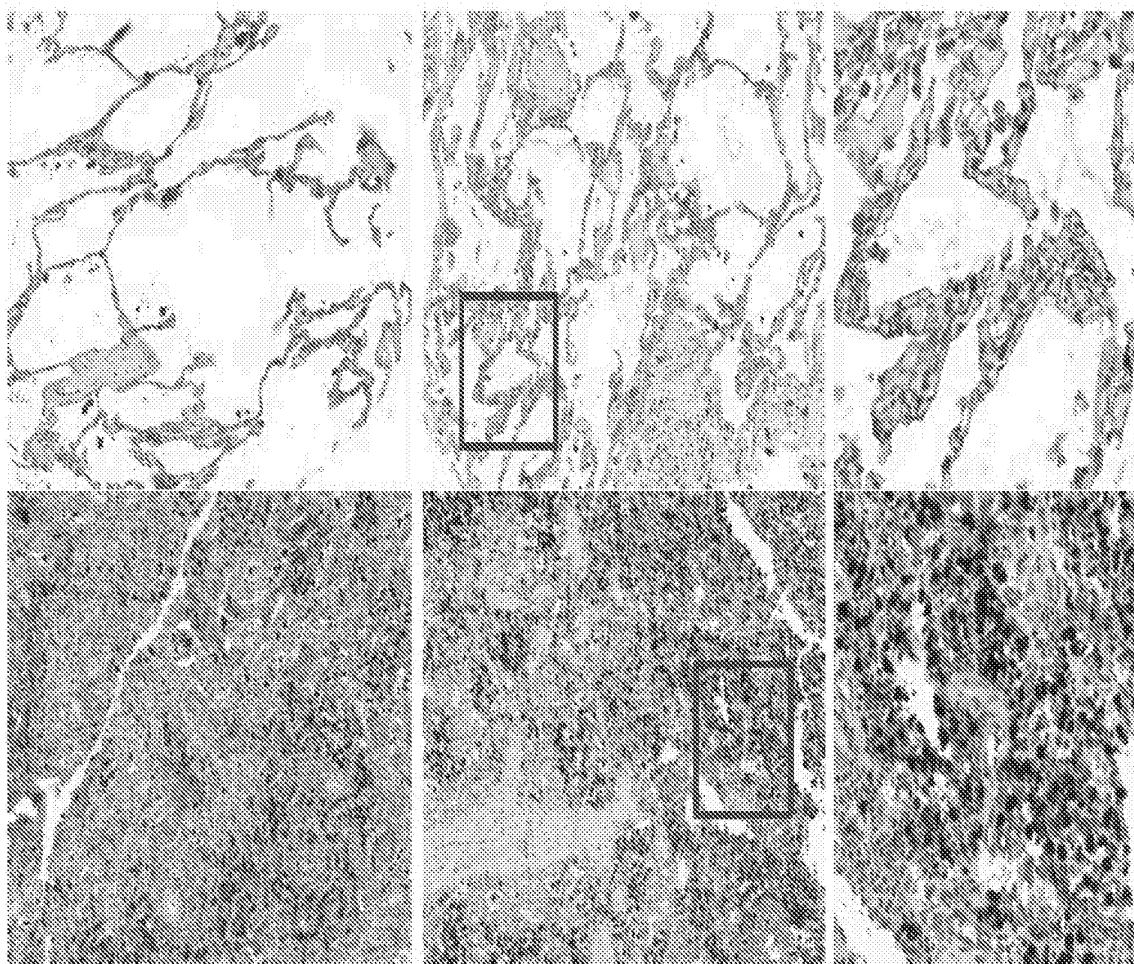
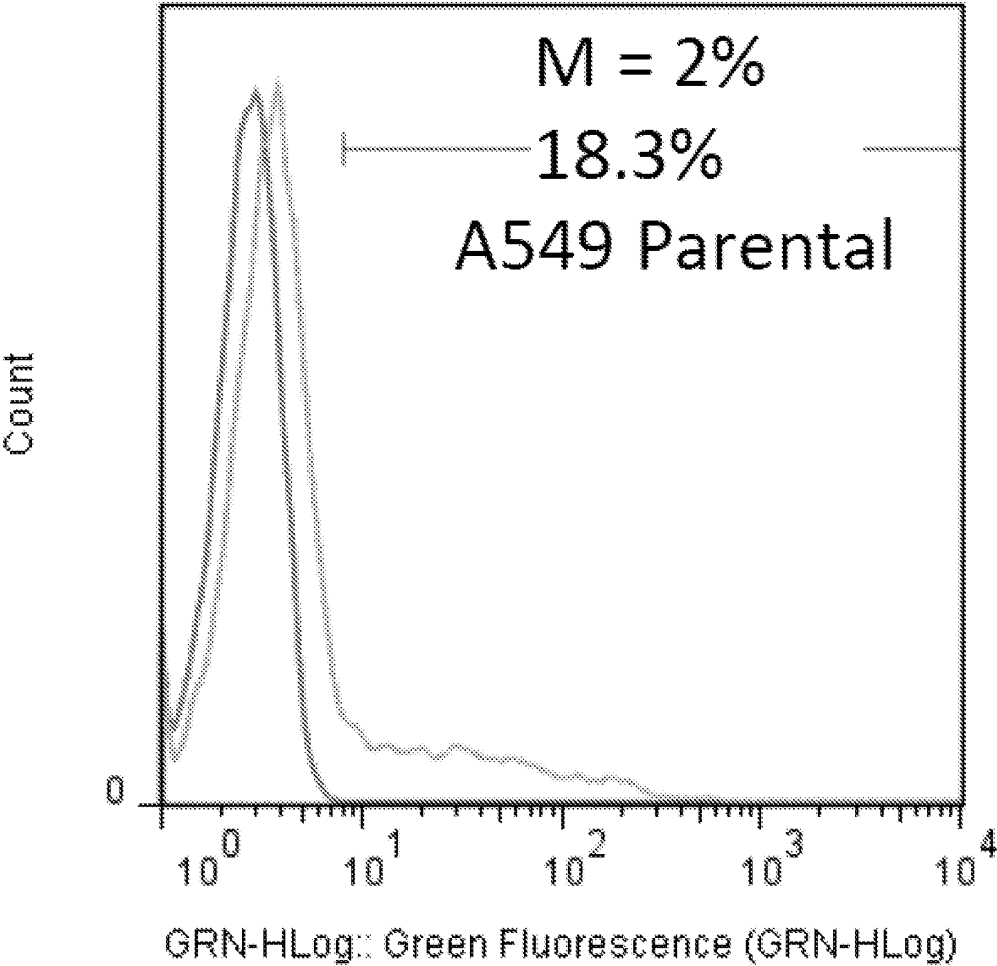


Fig. 17

A



	Sample Name
	data 0008.FCS
	data 0005.FCS

Fig. 17

B

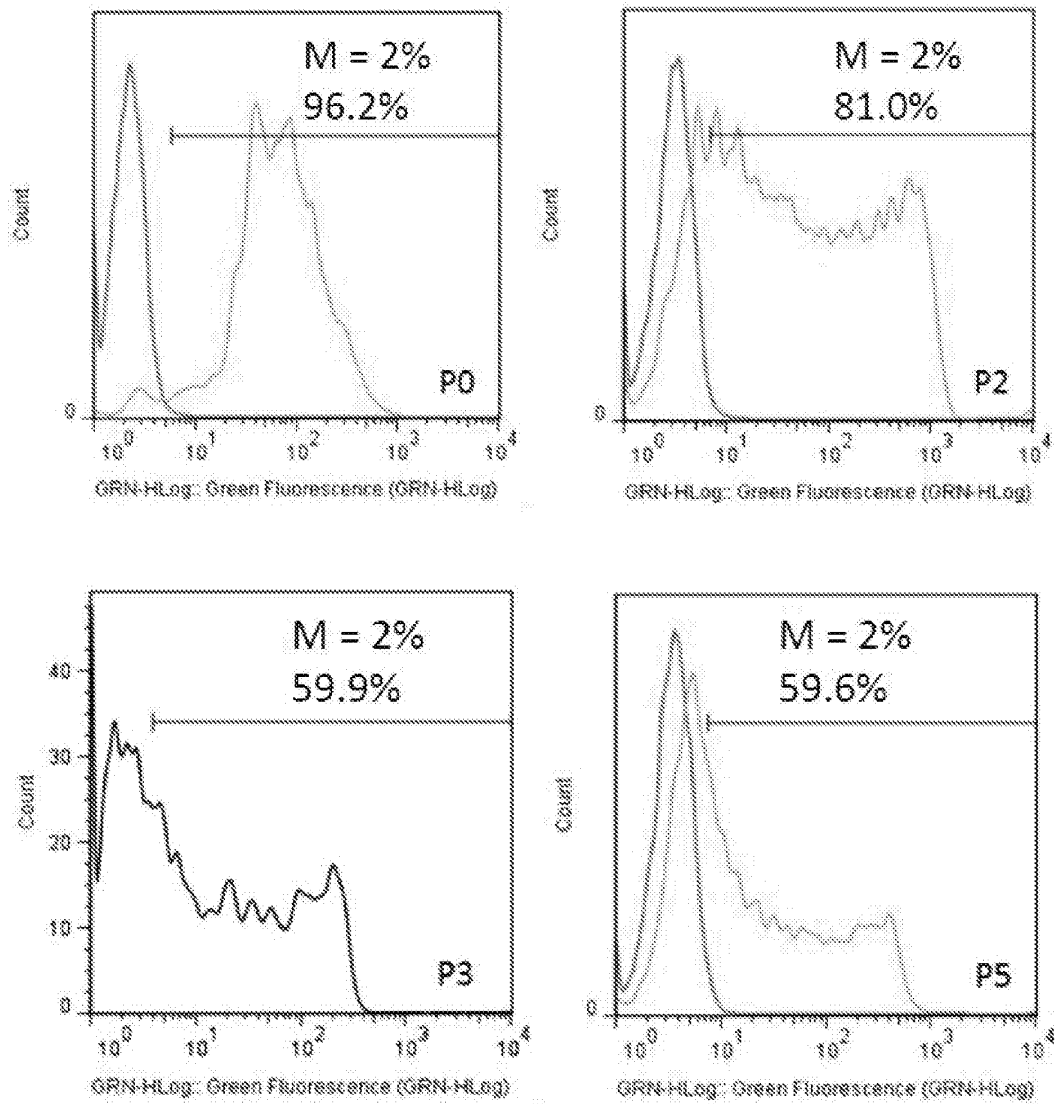
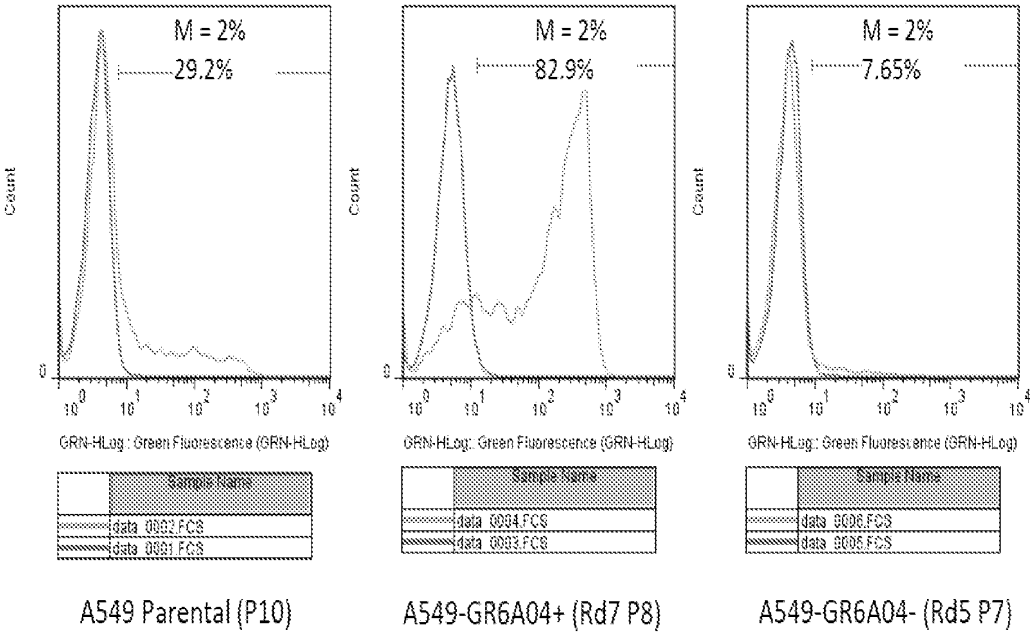


Fig. 17

C



D

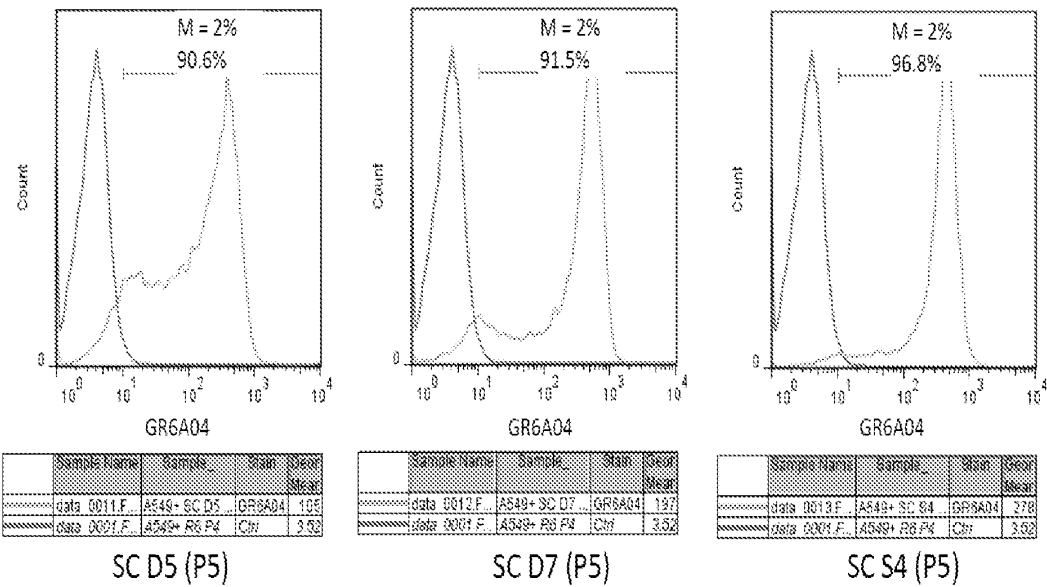
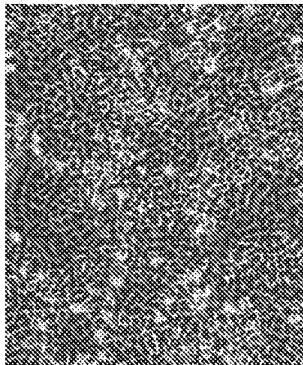


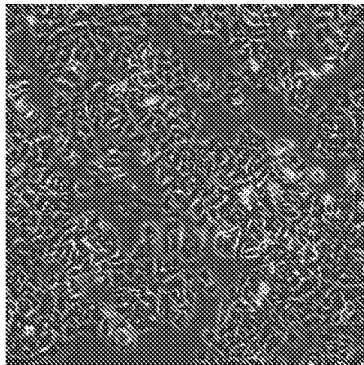
Fig. 17

E

SC D5 (P5)



SC D7 (P5)



SC S4 (P5)

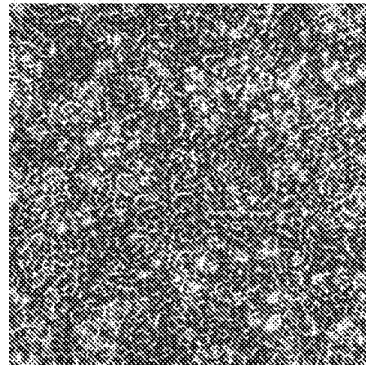


Fig. 18

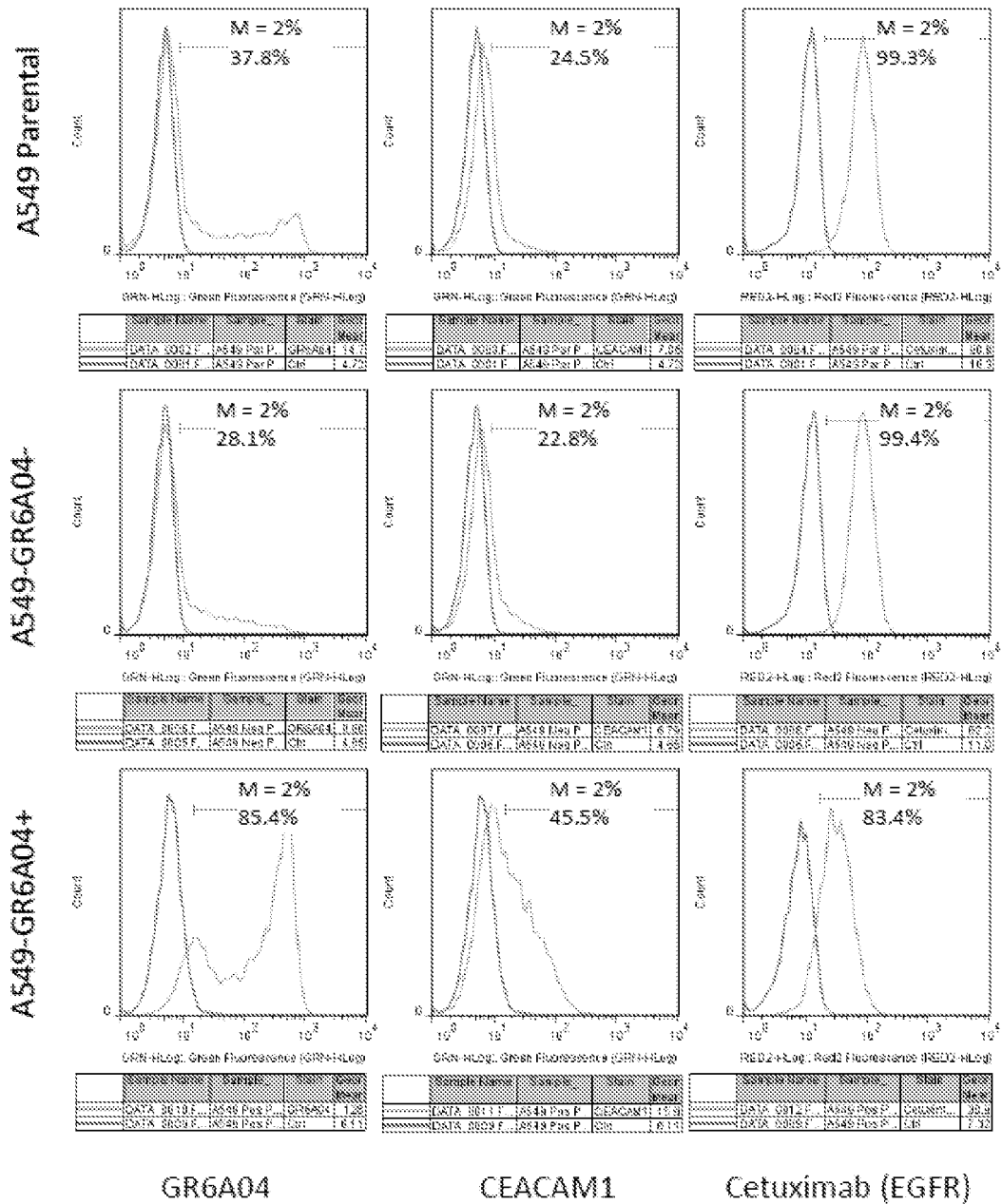


Fig. 19

A

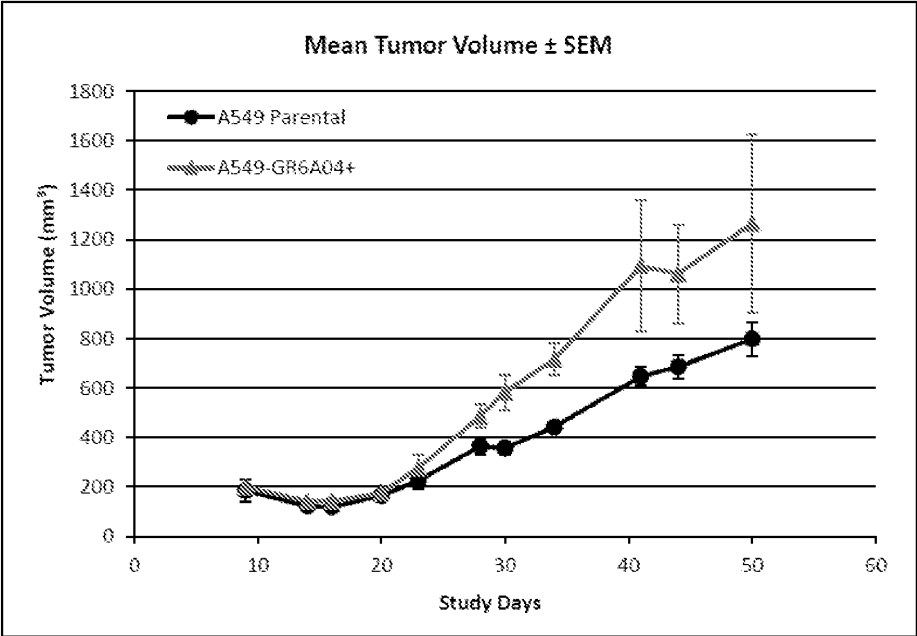
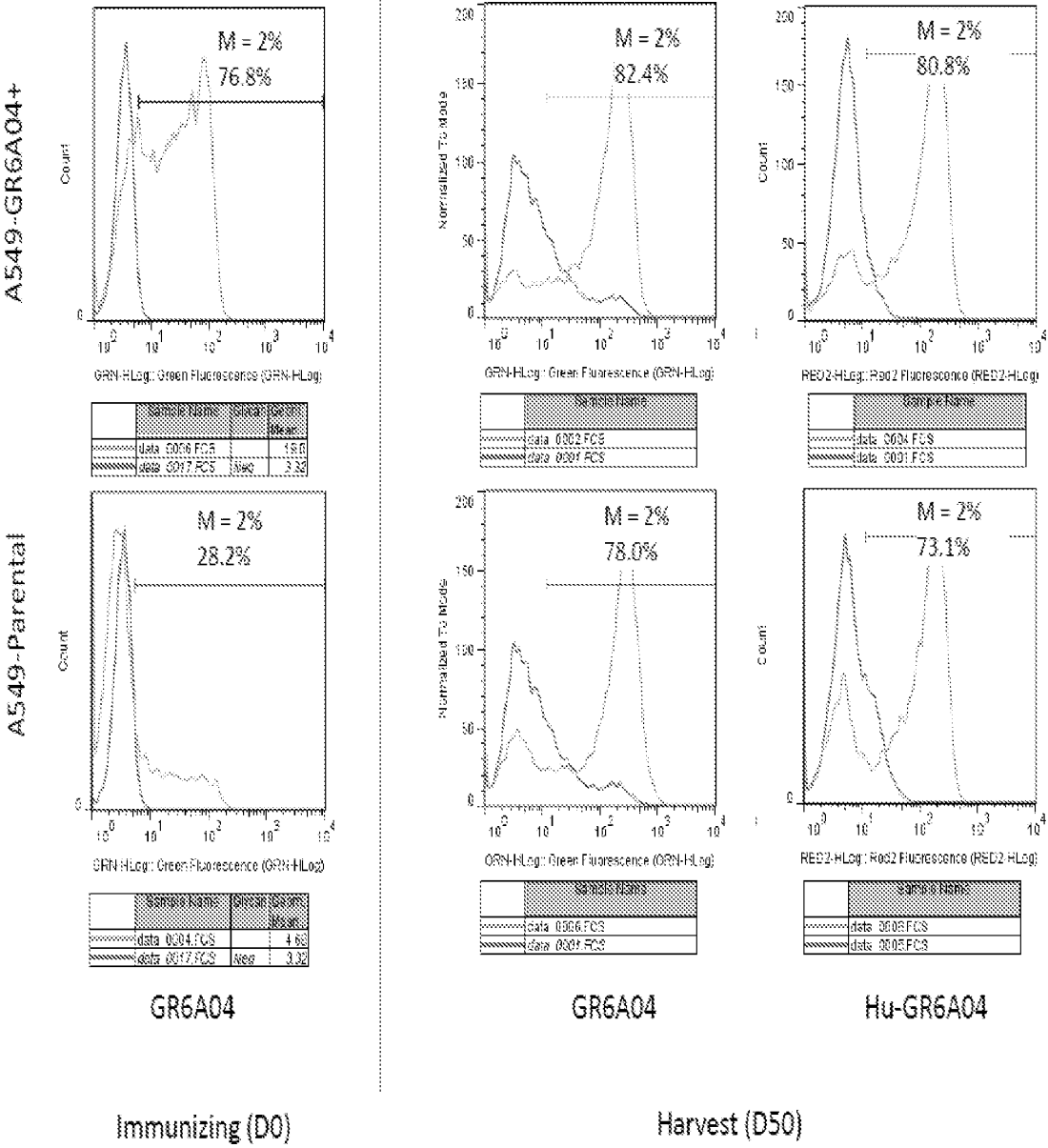


Fig. 19

B



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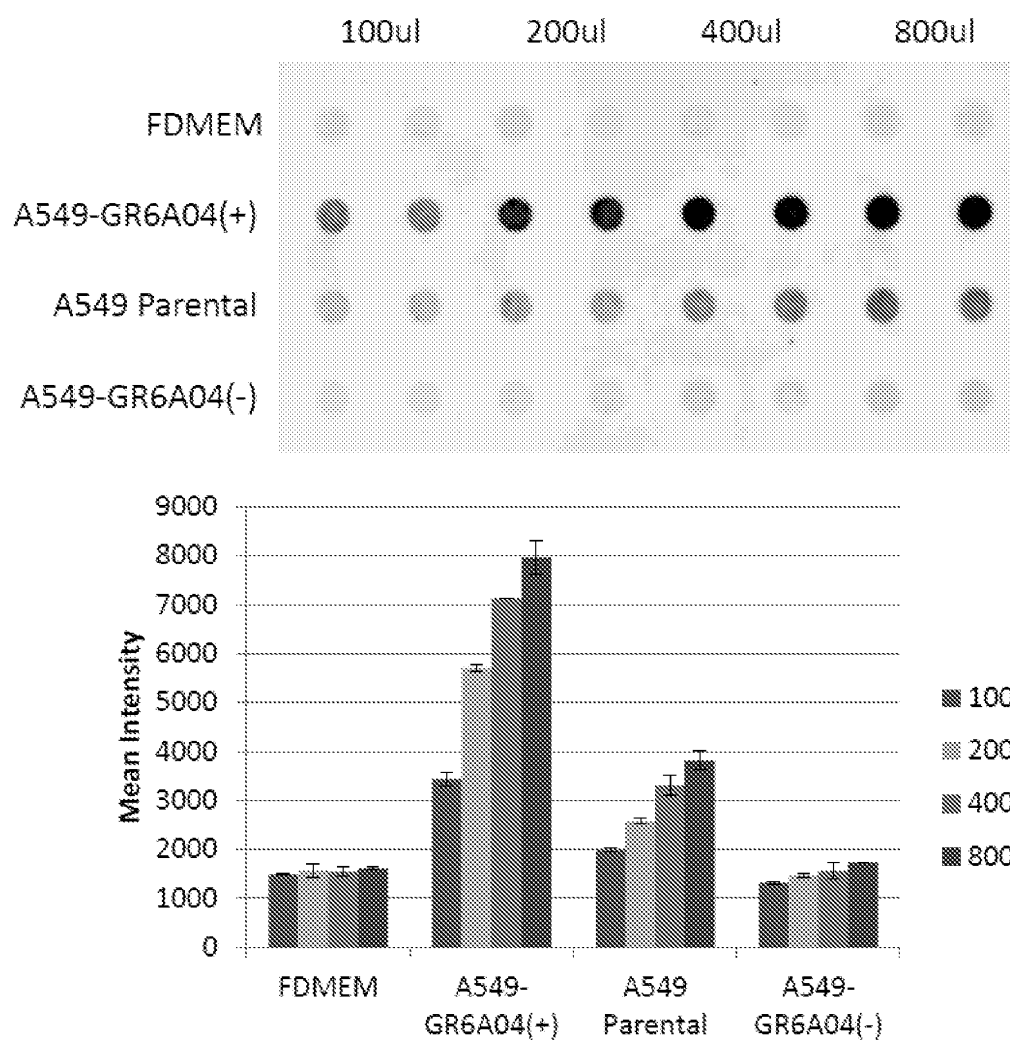
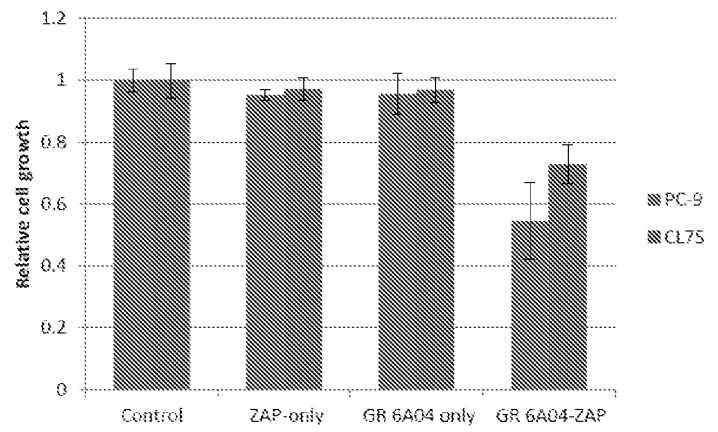
Fig. 20

Fig. 21

A



B

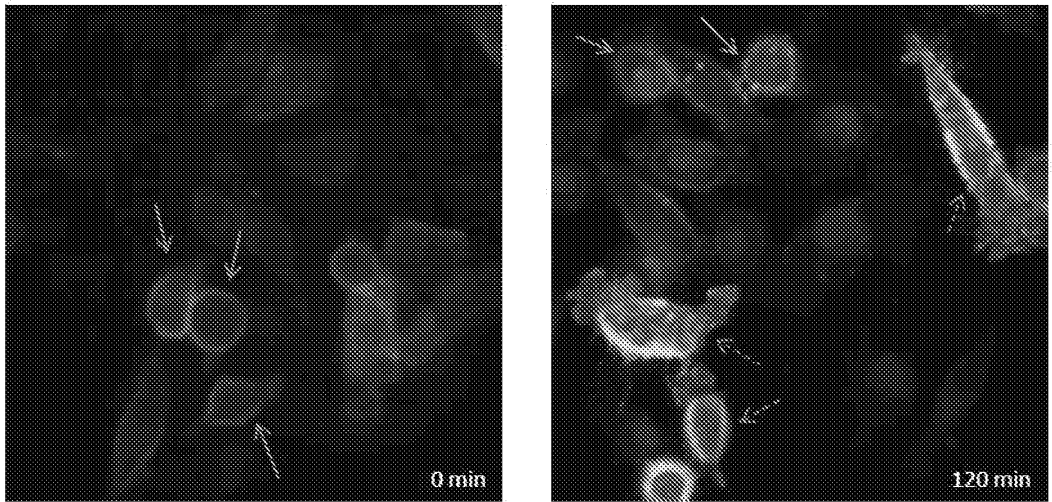


Fig. 22

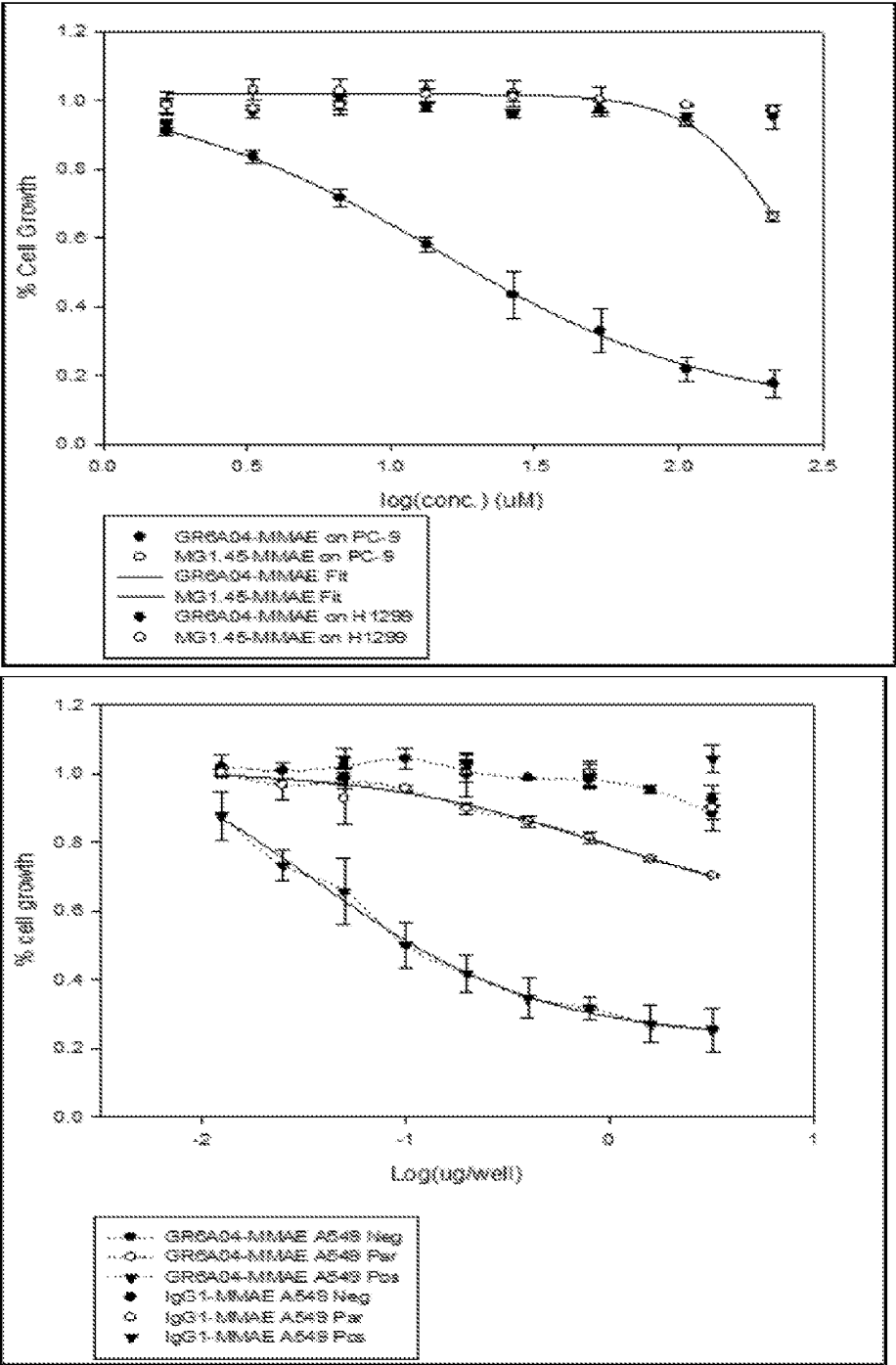


Fig. 23

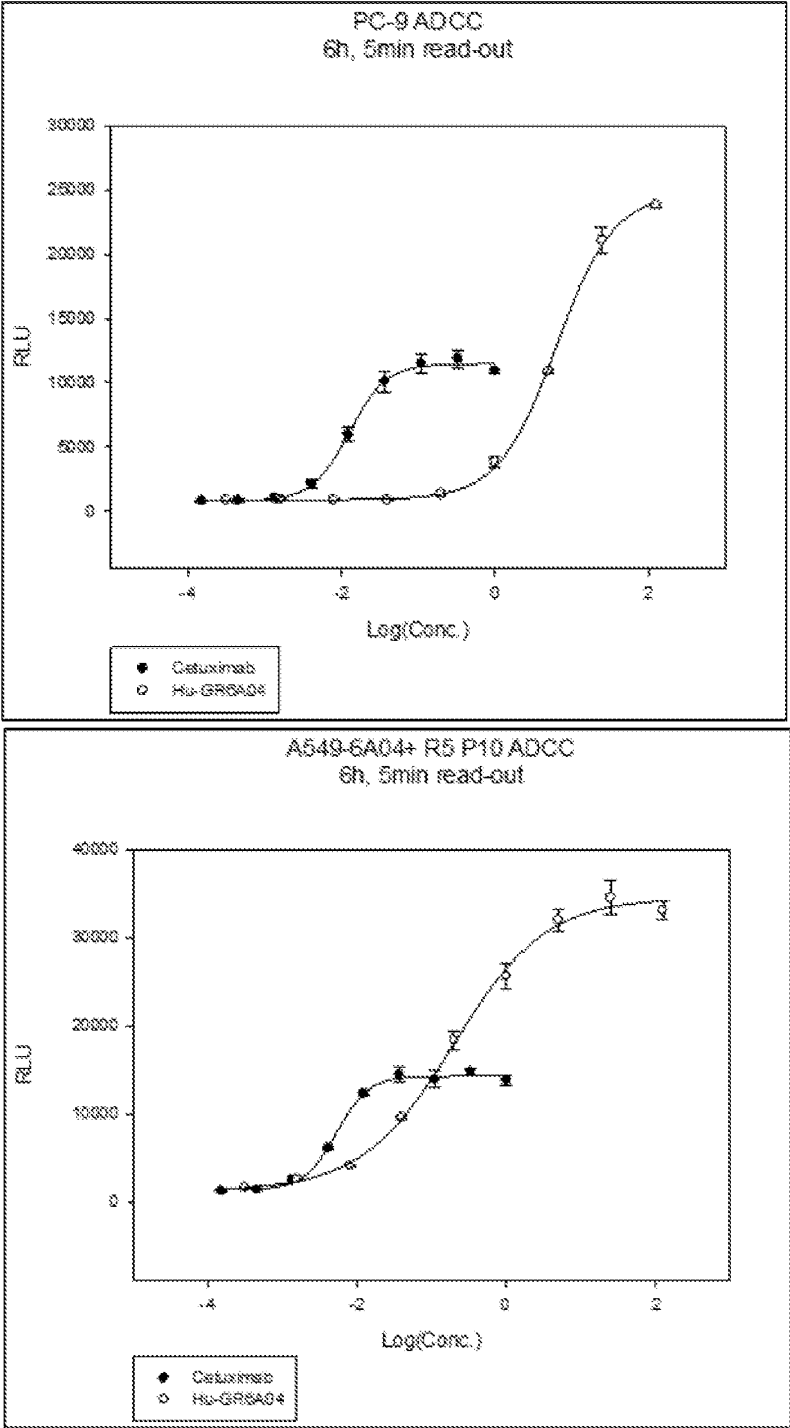


Fig. 24

