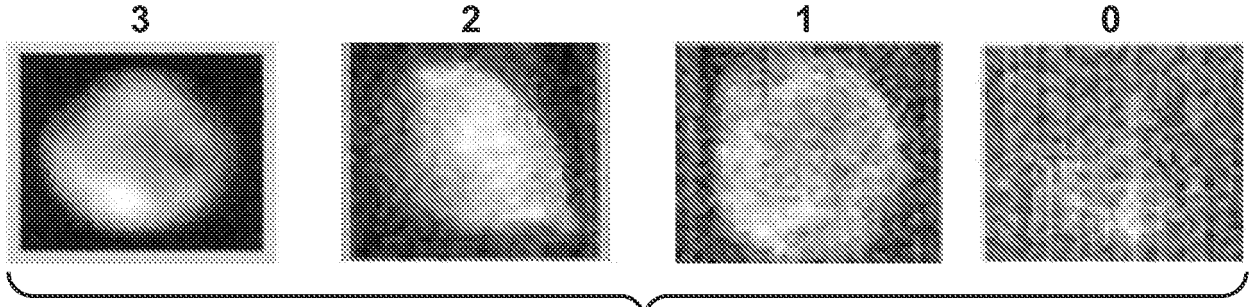


FIG. 1

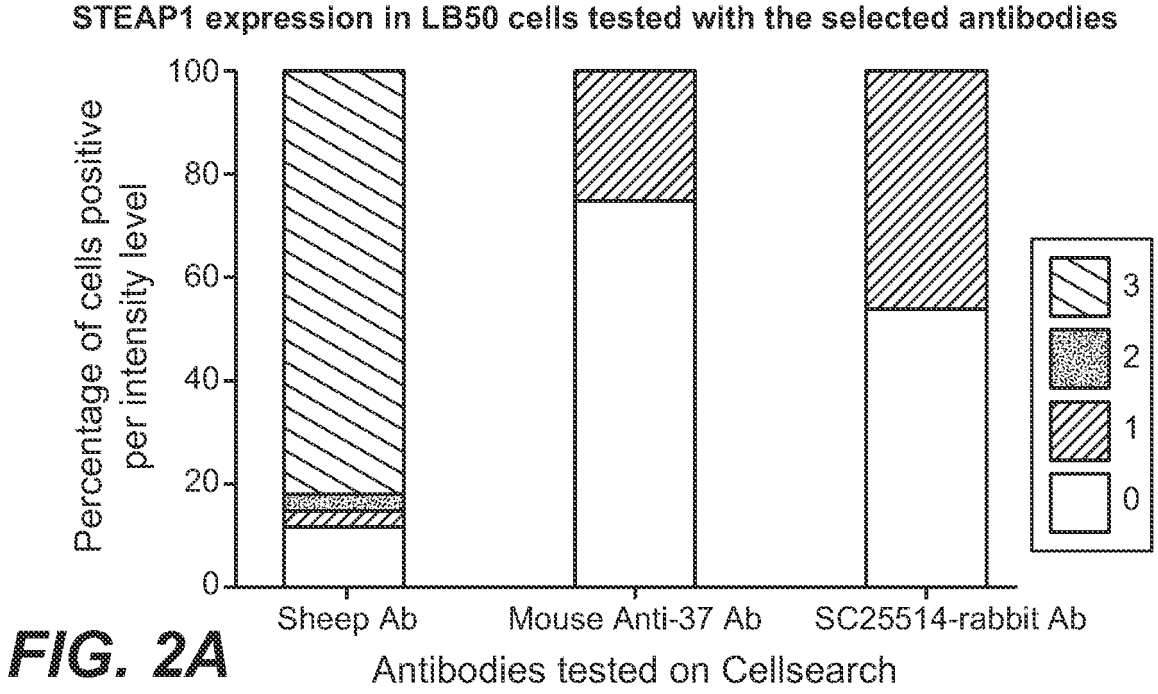


FIG. 2A

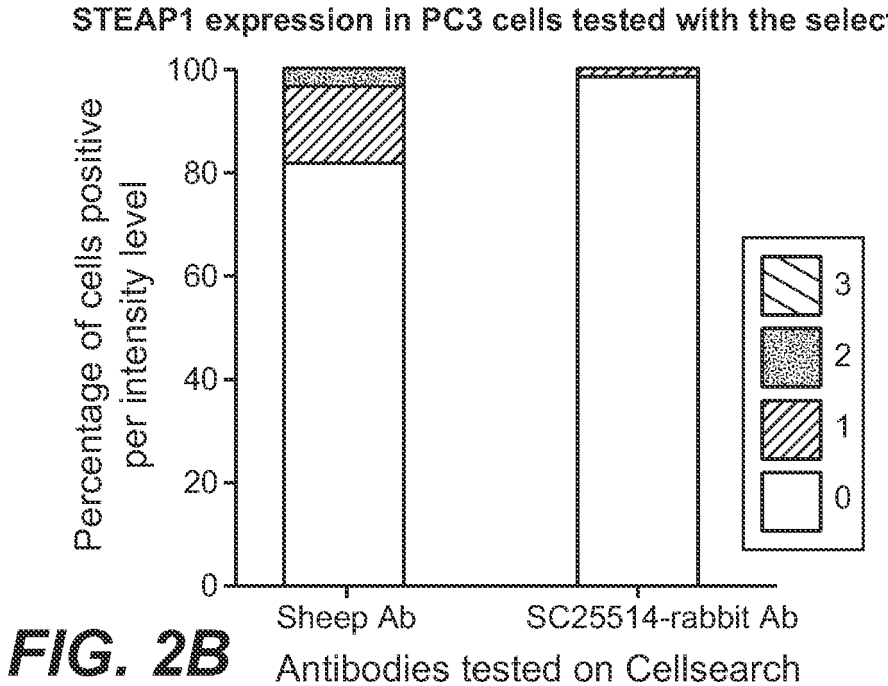


FIG. 2B

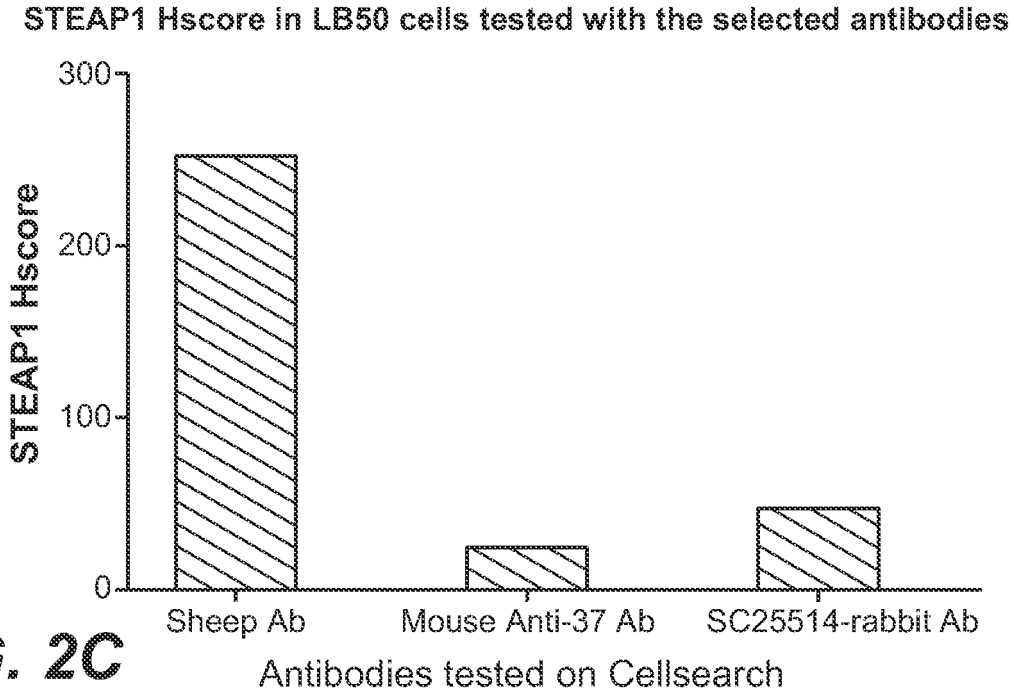

STEAP1 Hscore in LB50 cells tested with the selected antibodies
STEAP1 Hscore
300
200
100
0
Sheep Ab
Mouse Anti-37 Ab
SC25514-rabbit Ab
Antibodies tested on Cellsearch

FIG. 2C

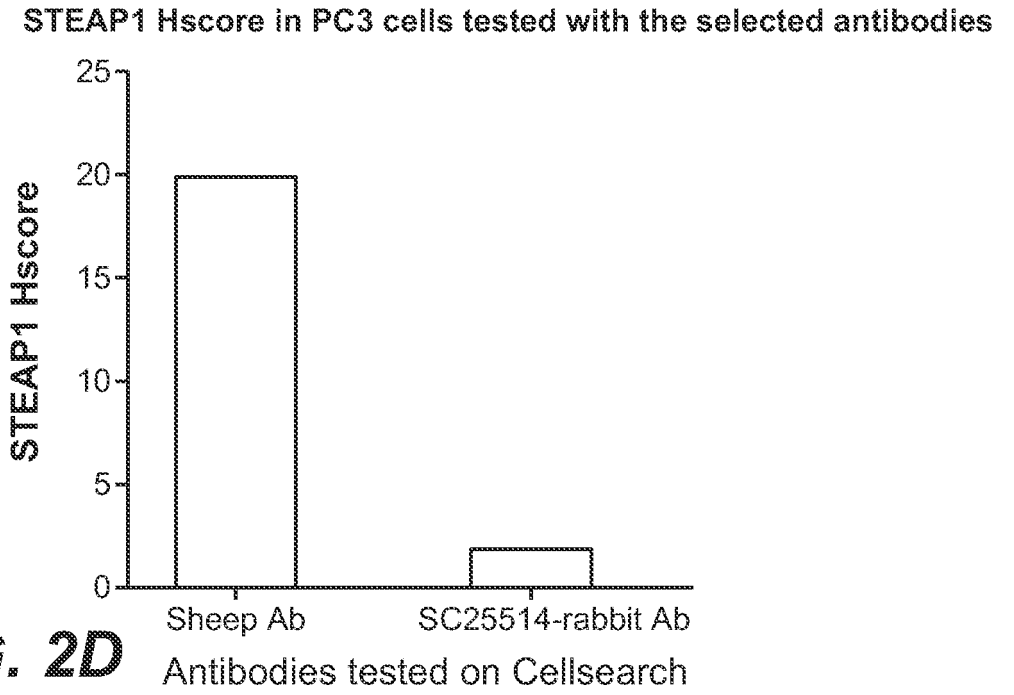

STEAP1 Hscore in PC3 cells tested with the selected antibodies
STEAP1 Hscore
25
20
15
10
5
0
Sheep Ab
SC25514-rabbit Ab
Antibodies tested on Cellsearch

FIG. 2D

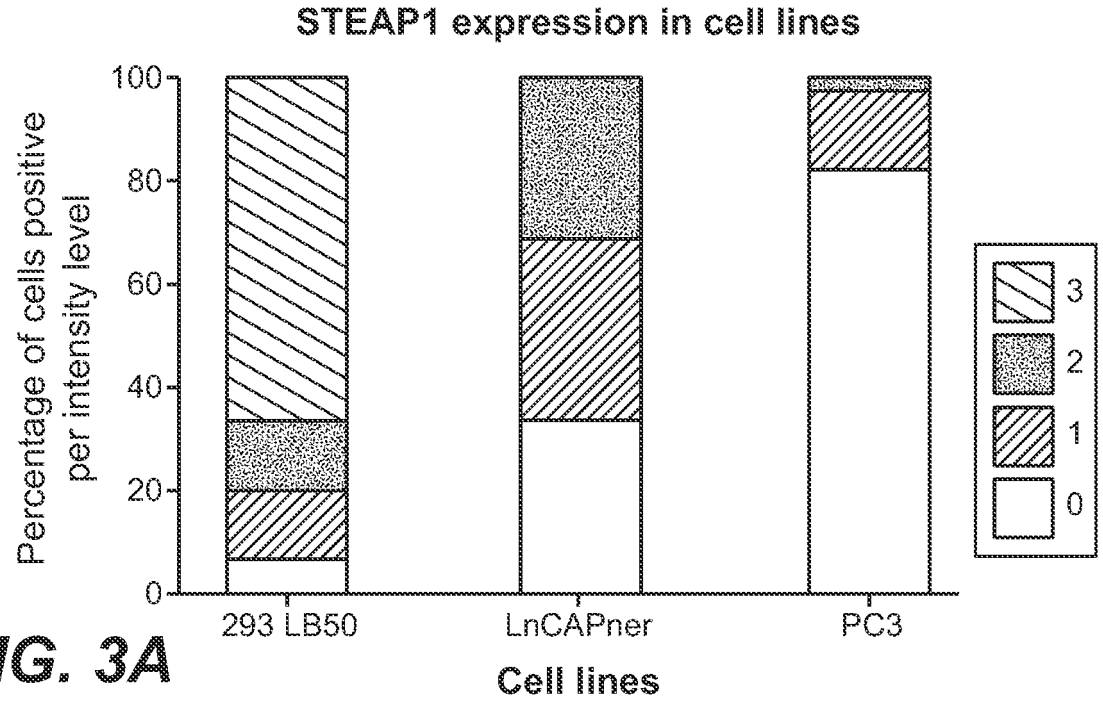

STEAP1 expression in cell lines
Percentage of cells positive per intensity level
100
80
60
40
20
0
293 LB50
LnCAPner
PC3
Cell lines
3
2
1
0

FIG. 3A

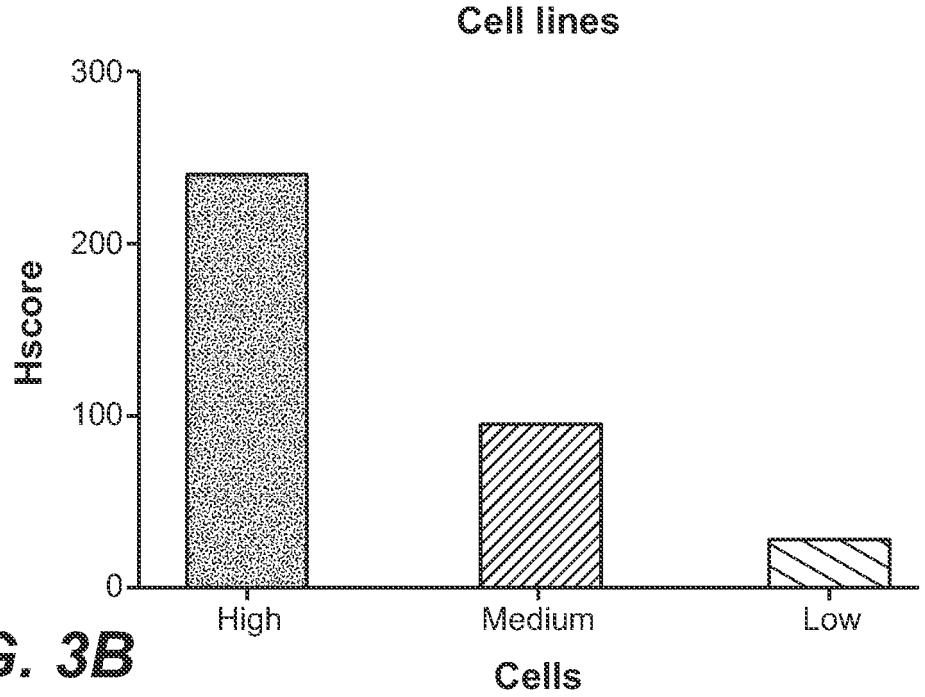

Cell lines
Hscore
300
200
100
0
High
Medium
Low
Cells

FIG. 3B

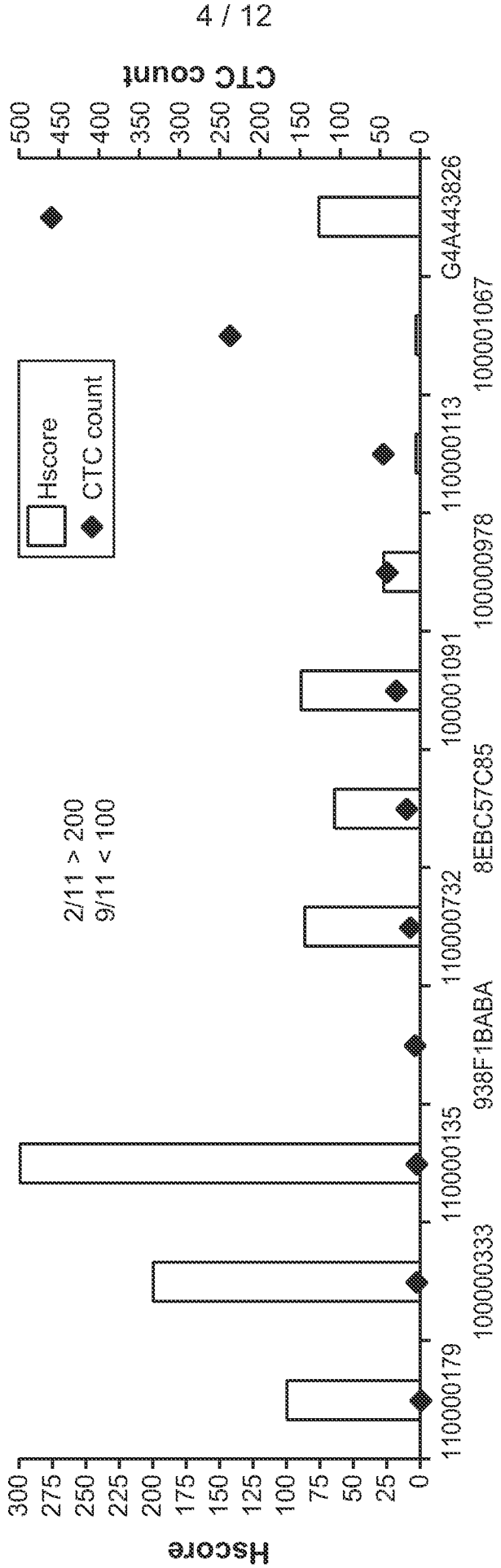

mPC patient samples (vendor procured)
Hscore
CTC count
2/11 > 200
9/11 < 100
Hscore
CTC count
Patients
110000179
100000333
110000135
938F1BABA
110000732
8EBC57C85
100001091
100000978
110000113
100001067
G4A443826

FIG. 4

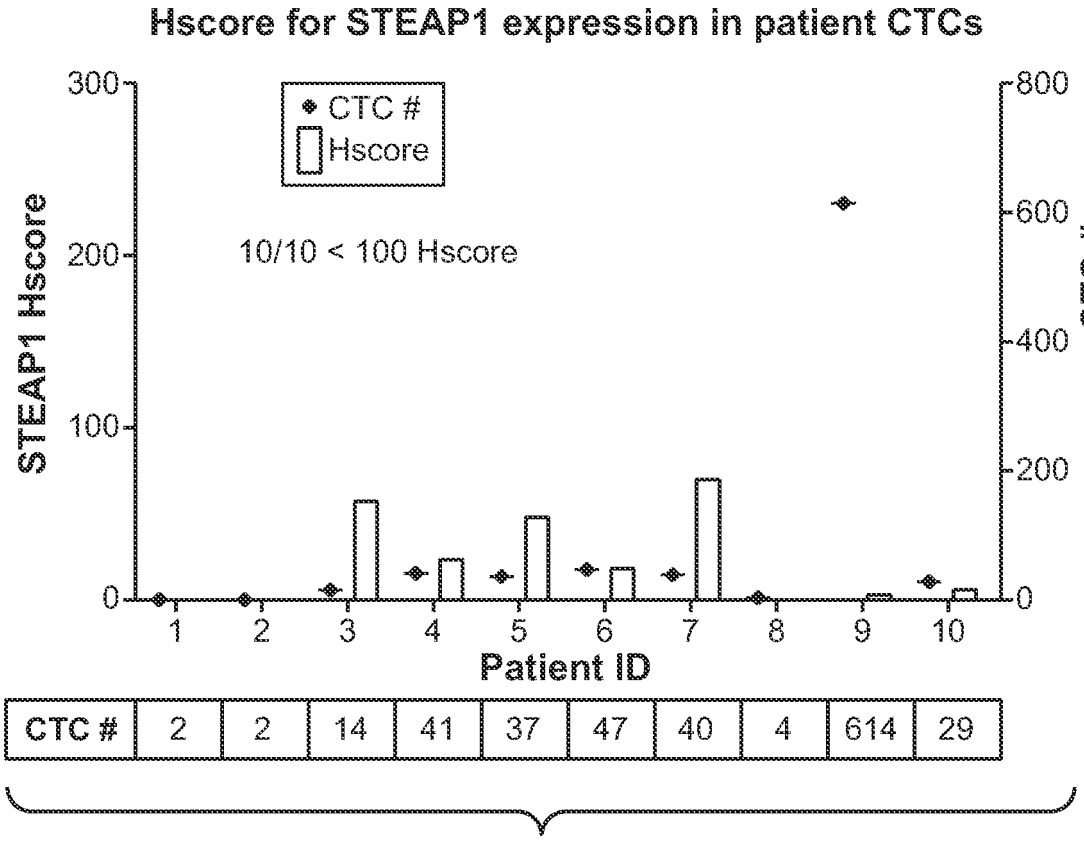


FIG. 5A

Comparison of STEAP1 CTC Hscore with STEAP1 IHC in tissue demonstrates some correlation

Patient ID	STEAP1 CTC Hscore	STEAP1 IHC
1	0	1+
2	0	1+
6	19	1+
4	24	1+
5	48	2+
3	57	2+
8	0	2+
7	70	3+
10	7	3+

CTC #

FIG. 5B

Source	Patient Number	Cyto-Mem 0	Cyto-Mem 1+	Cyto-Mem 2+	Cyto-Mem 3+	Membrane Score	Overall Score (0, 1+, 2+, 3+)*
Tissue	101	87	10	3	0	16	1
CTCs	101 Screening	2	0	0	0	0	
Tissue	102	0	0	5	95	295	3
CTCs	No screening sample						
Tissue	1003	0	95	5	0	105	1
CTCs	1003 Screening	2	0	0	0	0	
Tissue	1004	20	10	40	30	180	2
CTCs	1004 Screening	10	2	0	2	57	
Tissue	1005	0	55	35	10	155	1
CTCs	1005 Screening	37	0	2	2	24	
Tissue	1006	0	10	65	25	215	
CTCs	1006 Screening	23	10	4	0	48.6	
Tissue	1007	0	75	15	10	135	1
CTCs	1007 Screening	40	5	2	0	19.14	
Tissue	1008	0	5	10	85	280	3
CTCs	1008 Screening	26	4	6	4	70	
Tissue	1009	5	2	28	65	253	
CTCs	1009 Screening	0	0	0	0	0	
Tissue	1010						
CTCs	1010 Screening	592	22	0	0	3.6	
Tissue	1011	10	35	50	5	150	
CTCs	1011 Screening	Not enough blood					
Tissue	1012						
CTCs	1012 Screening	Failed screening					
Tissue	1013	0	0	0	100	300	
CTCs	1013 Screening	27	2	0	0	6.9	

FIG. 5C

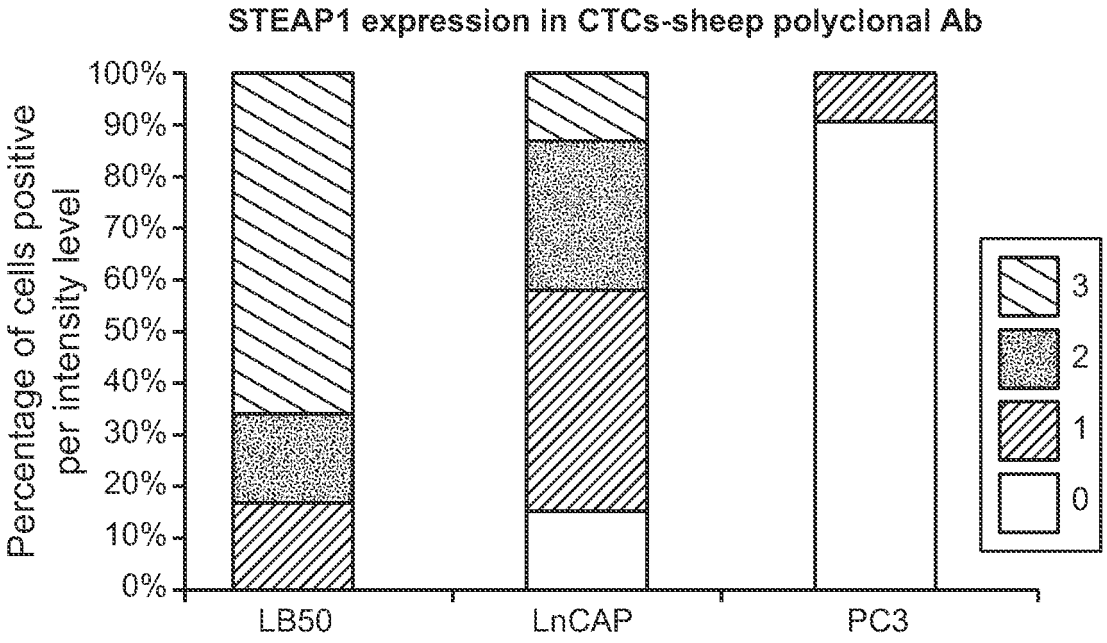

STEAP1 expression in CTCs-sheep polyclonal Ab
Percentage of cells positive per intensity level
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
LB50
LnCAP
PC3
3
2
1
0

FIG. 6A

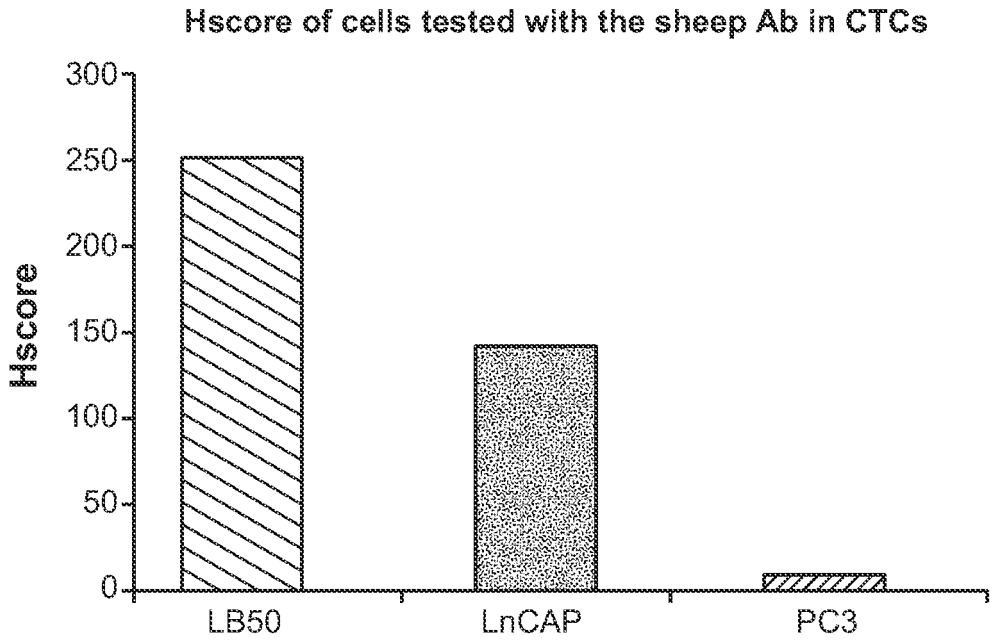

Hscore of cells tested with the sheep Ab in CTCs
Hscore
300
250
200
150
100
50
0
LB50
LnCAP
PC3

FIG. 6B

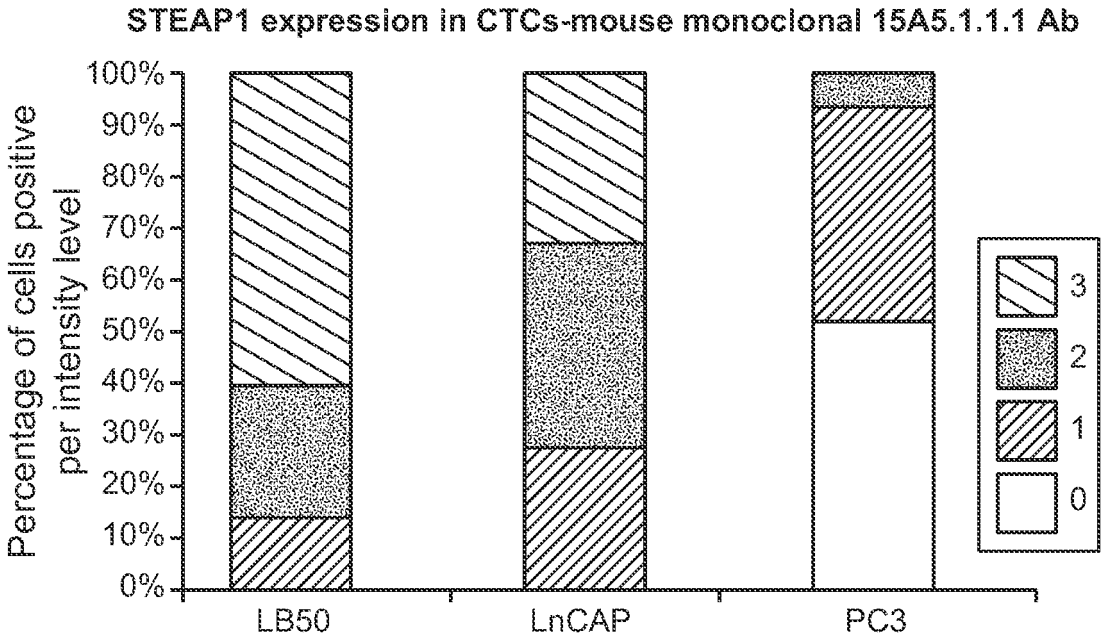

STEAP1 expression in CTCs-mouse monoclonal 15A5.1.1.1 Ab
Percentage of cells positive per intensity level
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
LB50
LnCAP
PC3
3
2
1
0

FIG. 6C

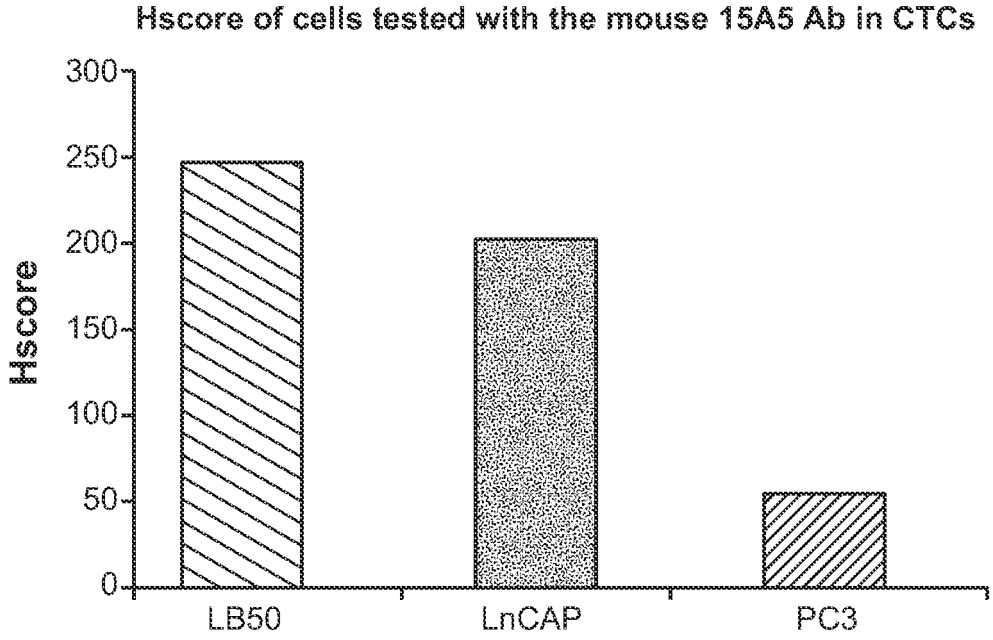

Hscore of cells tested with the mouse 15A5 Ab in CTCs
Hscore
300
250
200
150
100
50
0
LB50
LnCAP
PC3

FIG. 6D

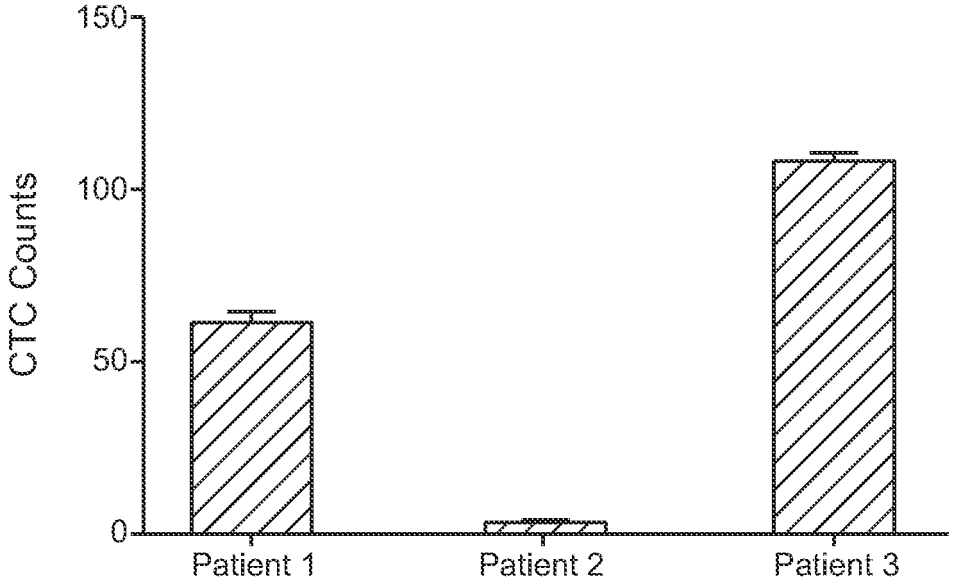

150
100
50
0
CTC Counts
Patient 1
Patient 2
Patient 3

FIG. 7A

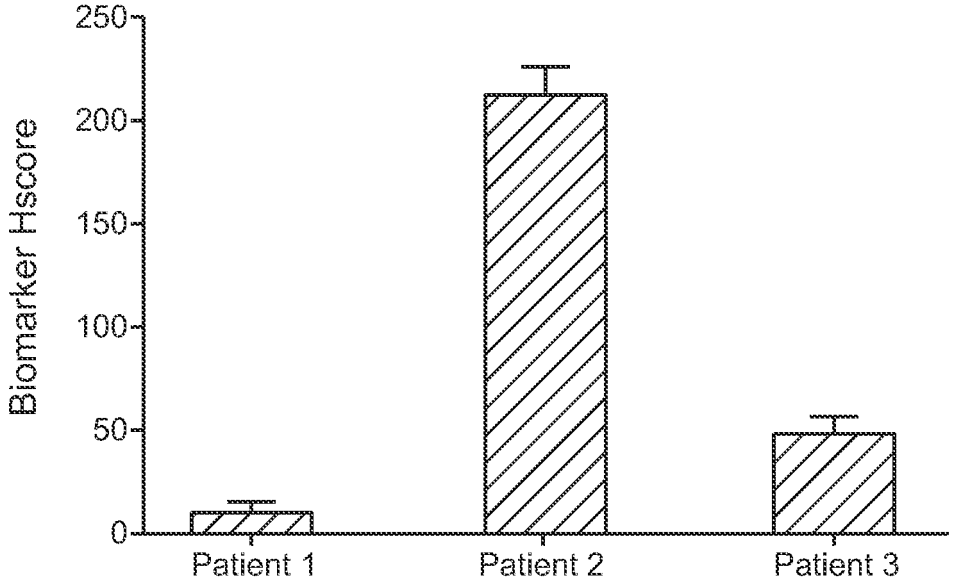

250
200
150
100
50
0
Biomarker Hscore
Patient 1
Patient 2
Patient 3

FIG. 7B

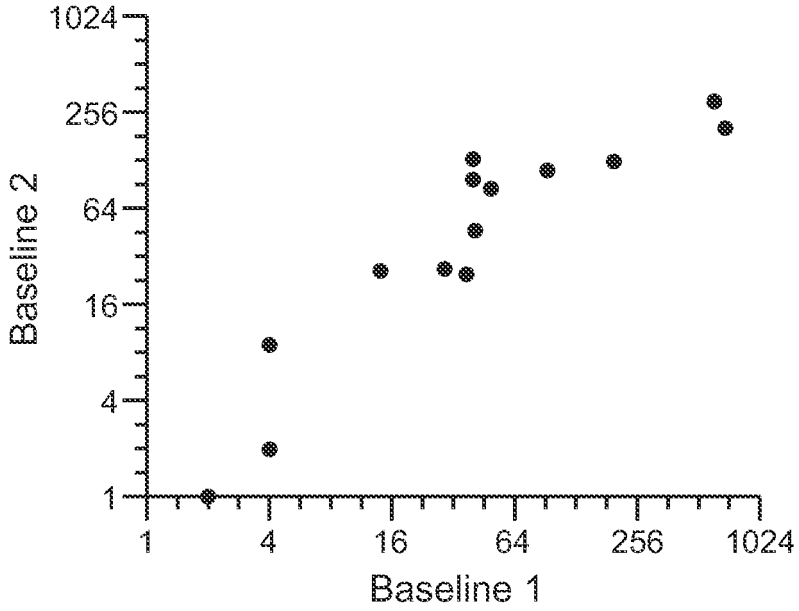

1024
256
64
16
4
1
Baseline 2
1
4
16
64
256
1024
Baseline 1

FIG. 8

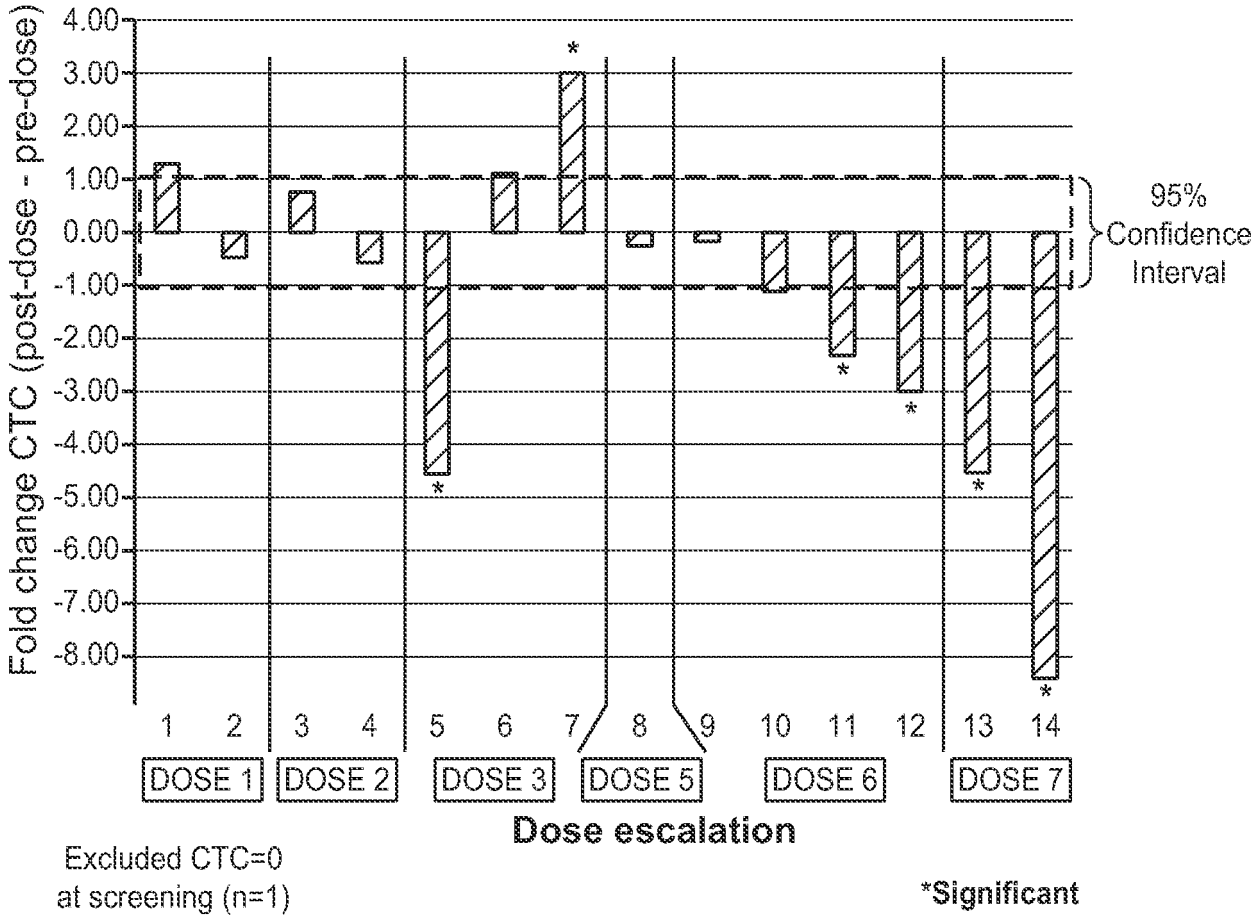

4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
-3.00
-4.00
-5.00
-6.00
-7.00
-8.00
Fold change CTC (post-dose - pre-dose)
95%
Confidence
Interval
1 2 3 4 5 6 7 8 9 10 11 12 13 14
DOSE 1
DOSE 2
DOSE 3
DOSE 5
DOSE 6
DOSE 7
Dose escalation
Excluded CTC=0
at screening (n=1)
*Significant

FIG. 9

	Patient	Pre-dose	Post-dose	
Dose 1	1	***2***	5	* ← Significant CTC increase by fold change
	2	102	71	
Dose 2	3	14	24	
	4	41	27	
Dose 3	5	47	***2***	* ← **Significant CTC decrease by fold change**
	6	40	91	
	7	***4***	33	* ←
Dose 5	8	27	22	
Dose 6	9	446	392	
	10	49	23	
	11	5	***1***	* ←
	12	***4***	***0***	←
Dose 7	13	93	***4***	* ←
	14	692	***2***	* ←

* ***Favorable Prognostic Conversion***

* Unfavorable Prognostic Conversion

FIG. 10

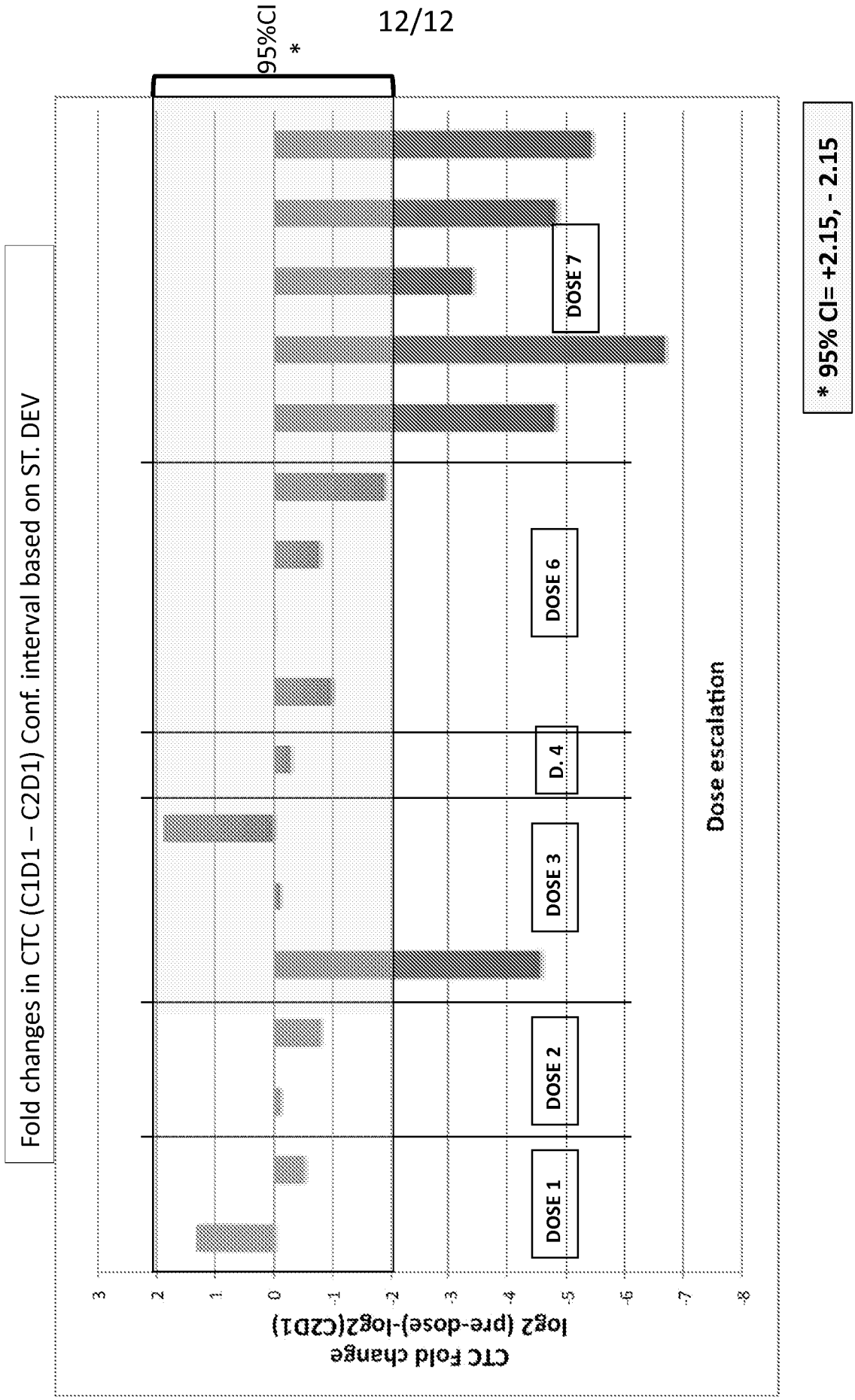

95%CI
*
Fold changes in CTC (C1D1 – C2D1) Conf. interval based on ST. DEV
CTC fold change
log2 (pre-dose)-log2(C2D1)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
DOSE 1
DOSE 2
DOSE 3
D. 4
DOSE 6
DOSE 7
Dose escalation
* 95% CI= +2.15, - 2.15

FIG. 11