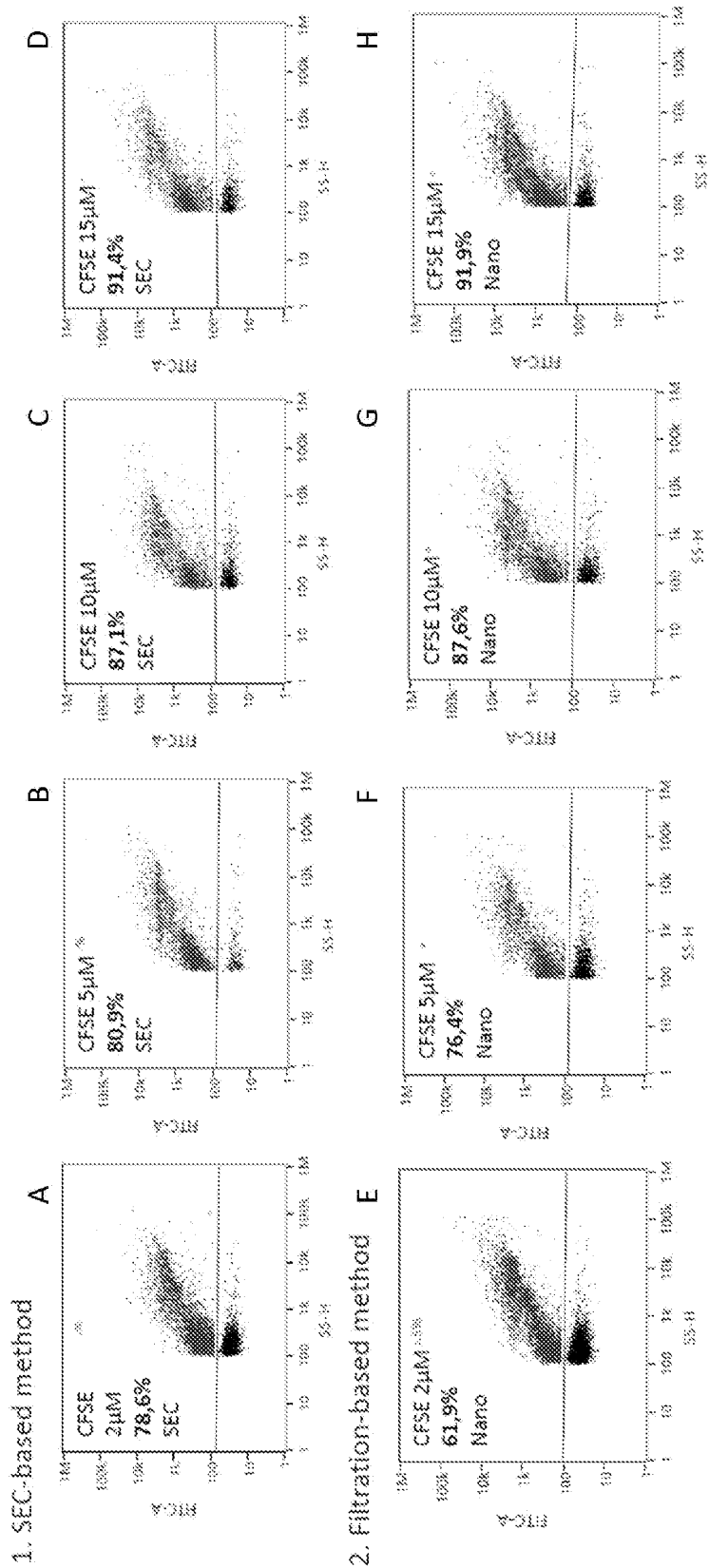




FIGS. 1A-1H

Fluorescence: trigger channel SS														
	ul after Nanosep	Samples (wash with 3ml)	Input											
			Tot part	threshold SS	threshold FITC	threshold PE	median nm	Mean nm	%labelling	threshold SS	threshold FITC	threshold PE	median nm	Mean nm
Conc supernatants	89	Nanosep 300							91,6%	98,1	36,9	98,5	65,25	69,78
	54	Nanosep 100							97,7%	99,6	56,6	102,8	65,25	71,55
	64	Amicon 100	2,01E+08	107,7	21,4	95,7	68,25	71,83	42,0%	101,2	435,3	161,4	78,75	82,19
	83	Amicon 50							31,8%	102	438,2	161,1	85,75	95,83
purified EVs	50	Nanosep 300							96,4%	95,7	33,1	97,9	64,65	74,28
	108	Nanosep 100							93,6%	97,5	20,6	95,4	73,75	77,97
	92	Amicon 100	1,82E+08	97,2	17,7	93,7	71,75	75,46	79,9%	97,7	145,8	116,3	71,25	75,23
	113	Amicon 50							79,3%	100,3	152,9	117,7	70,75	74,76

FIG. 2

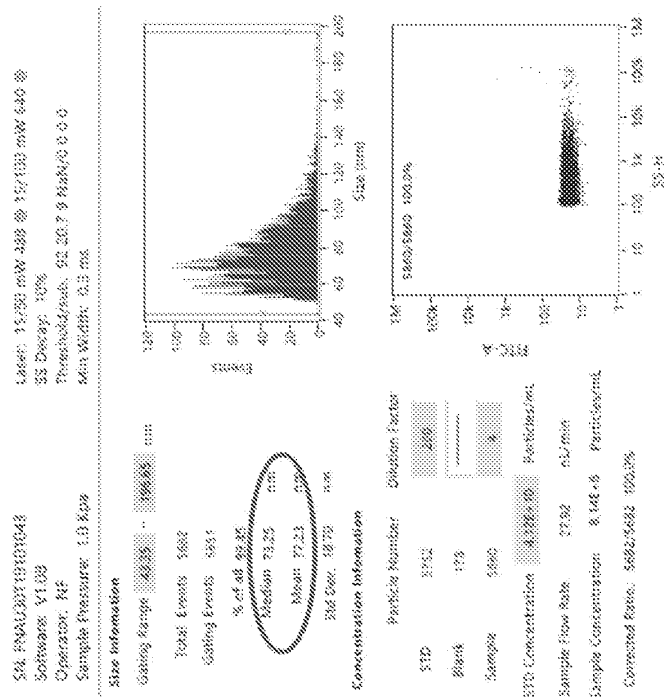


FIG. 3B

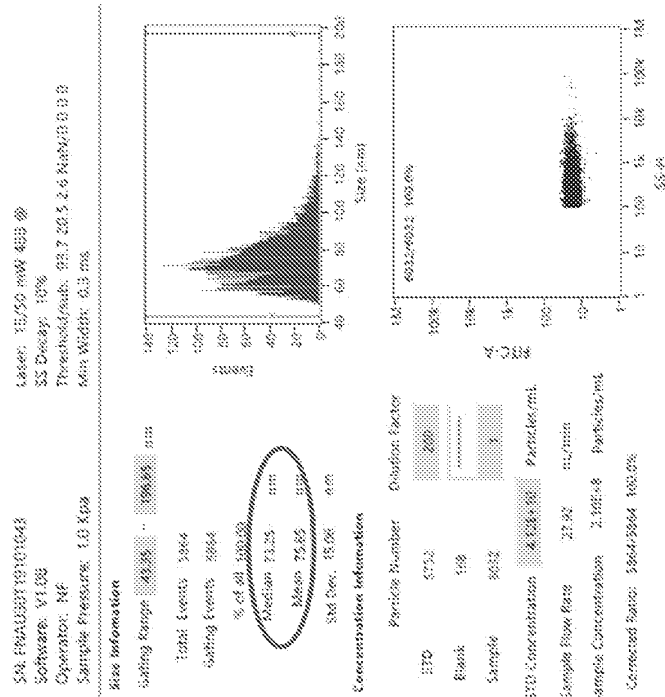


FIG. 3A

CD9 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
Nanosep 300k	33,03%	2,37%	71,92	0,58	76,32	0,55
SEC	34,47%	1,31%	72,08	4,48	75,56	4,20

CD63 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
Nanosep 300k	12,33%	0,55%	72,58	2,31	78,72	2,09
SEC	10,80%	1,48%	73,25	2,78	81,71	3,41

CD81 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
Nanosep 300k	45,00%	2,13%	68,92	0,29	73,62	0,44
SEC	46,63%	4,67%	70,92	1,61	75,08	0,93

FIG. 4A

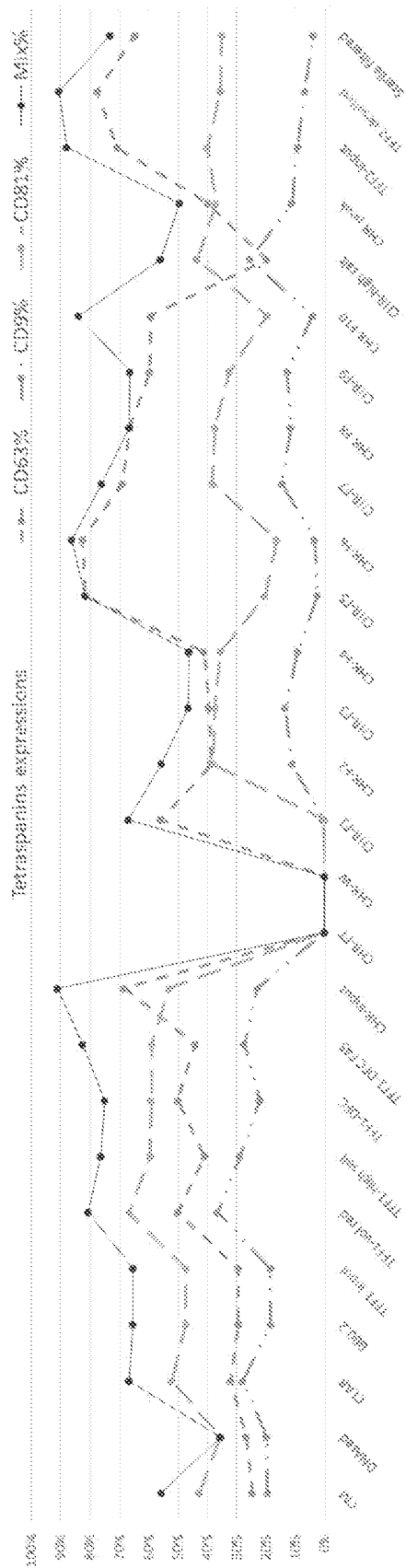


FIG. 4B

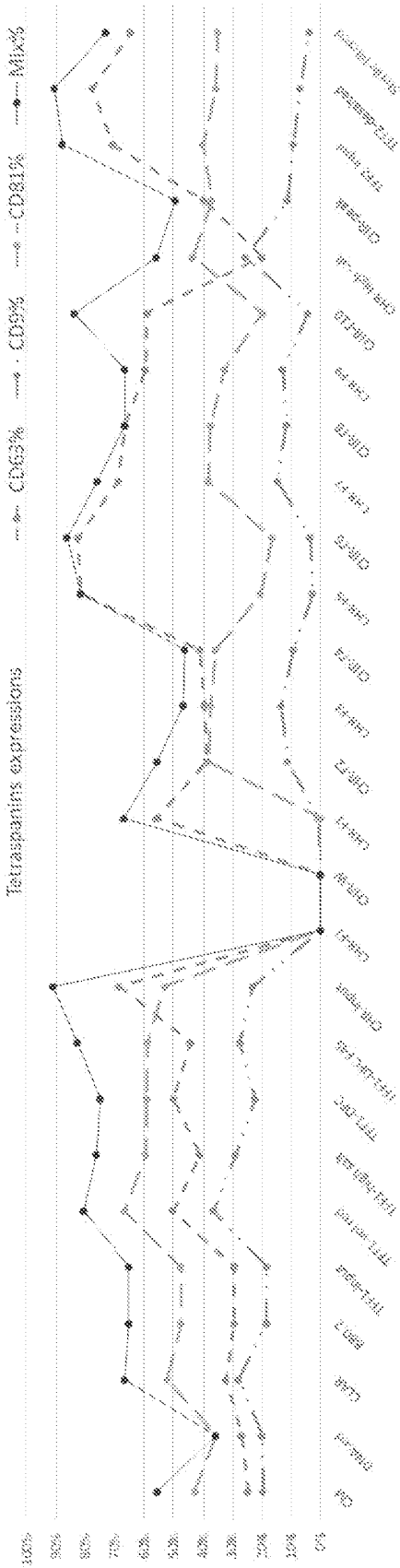
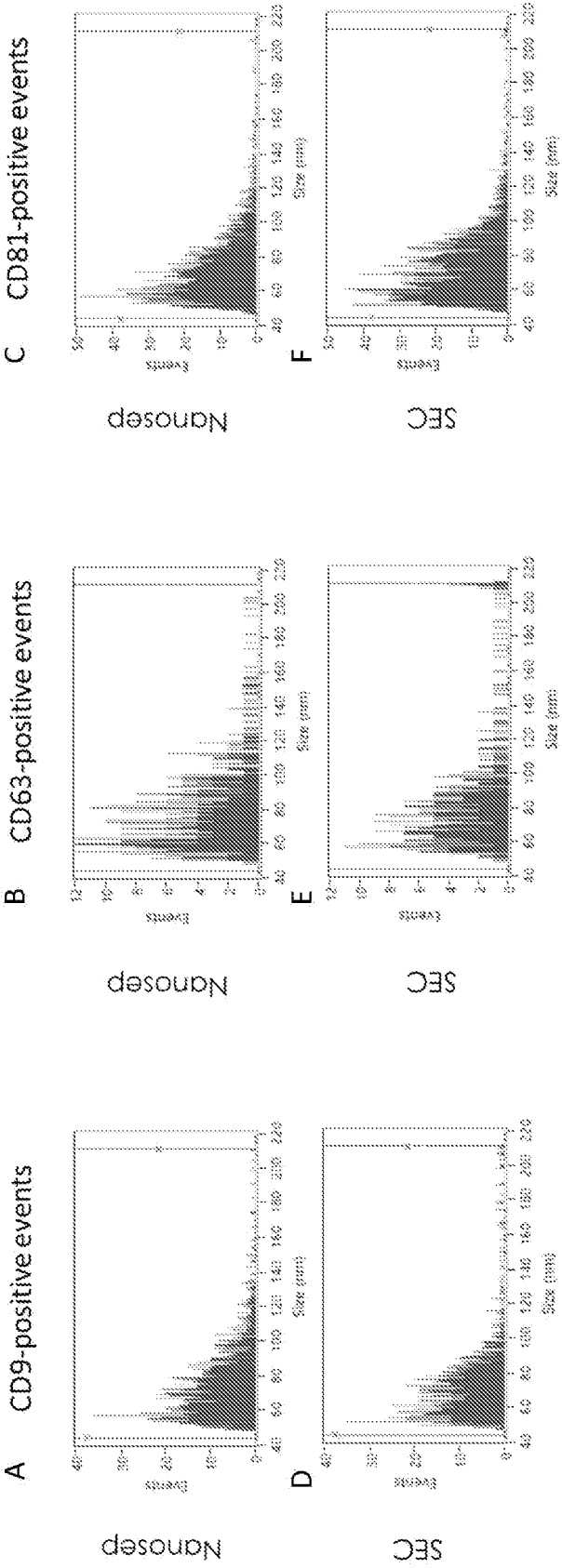


FIG. 4C



FIGS. 5A-5F

PE (Exbio) Antibodies	dilution	threshold		Events		Trigger PE under SS
		SS	PE	Positive	Total	
CD9	PBS	91.2	115.1	1	468	0
	100	90.4	156.4	8	549	205
	300	91.6	125	5	482	137
	500	91.6	122.1	4	481	106
CD63	PBS	94	116	0	1402	0
	100	92.1	138.5	5	1122	163
	300	90.7	119.8	5	1158	55
	500	93.2	119.5	6	1365	62
CD81	PBS	92.6	117.5	0	847	0
	100	90.7	166.3	9	772	247
	300	93	126.5	2	821	153
	500	93.2	122.2	1	809	77

FIG. 6A

AF488 (R&D System) antibodies	dilution	threshold		Events		Trigger FITC under SS
		SS	FITC	Positive	Total	
CD81	PBS	93.8	21.2	1	864	0
	100	92.6	53	111	757	7108
	200	92.7	27.3	143	723	8465
	300	92.8	25.9	96	842	5318
	500	92.6	25.3	33	773	1901
	1000	93	24.8	24	754	1751
CD63	PBS	90.3	21	1	468	0
	300	97.6	49.3	36	331	4286
	500	93.4	42.4	15	333	2198
	1000	94.9	24.4	43	368	5557
	2000	96.9	21.4	14	367	3157

FIG. 6B

CD9 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
dilution 1:1000	35,47%	4,53%	65,92	1,15	70,26	1,63
SEC	34,47%	1,31%	72,08	4,48	75,56	4,20

CD63 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
dilution 1:1000	14,97%	2,39%	68,75	0,50	75,20	1,89
SEC	10,80%	1,48%	73,25	2,78	81,71	3,41

CD81 PE	% labelling		median nm		mean nm	
	Average (n=3)	st dev	Average (n=3)	st dev	Average (n=3)	st dev
dilution 1:1000	43,20%	4,06%	71,25	1,32	74,73	0,78
SEC	46,63%	4,67%	70,92	1,61	75,08	0,93

FIG. 7A

MSC 150x CM	% staining	threshold		Median nm	Mean nm	pE trigger	Total events	
		SS	pE				Positive	Total
unstained	-	157,4	123,1	56,25	61,52	-	-	3629
CD63	26,3%	155,7	127,5	58,75	63,35	1170	919	3796
CD81	53,6%	148,4	126,4	59,75	64,29	2602	2185	4394
MIX CD63-81	65,2%	136,2	136,2	56,75	61,64	4125	3021	4984

Results from MSC 150x conditioned media: CD63, CD81, MIX of CD63 and CD81

FIG. 7B

HEK 30x CM	% staining		threshold		Median nm		Mean nm		PE trigger		Total Events	
	average	CV	average	st dev	average	st dev	average	st dev	average	st dev	Average	st dev
unstained	0.00%	0%	121.17	0.3	52.92	1.0	61.03	0.6	0	0	257%	128
CD9	42.73%	4%	139.00	4.4	52.58	1.2	60.97	1.1	497	148.7	3504	145
CD63	26.60%	5%	129.13	1.2	54.98	1.0	64.83	0.2	295	25.4	2581	366
CD81	63.57%	0%	123.97	1.2	52.75	0.5	58.71	0.6	3073	109.8	3641	640
MIX CD9-63-81	87.97%	6%	143.07	4.4	51.75	0.9	56.99	0.7	717	69.2	2305	418
Isotype	0.57%	27%	157.13	3.2	68.75	15.1	92.04	10.3	163	16.7	2408	368

Results from HEK 30x conditioned media: CD9, CD63, CD81, Isotype and MIX of CD9, CD63, CD81

FIG. 7C

FIG. 8A

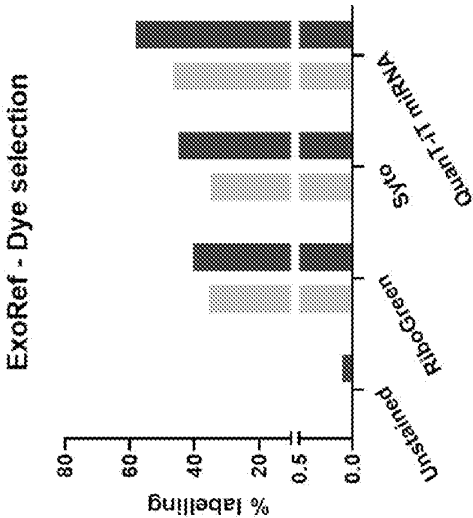


FIG. 8B

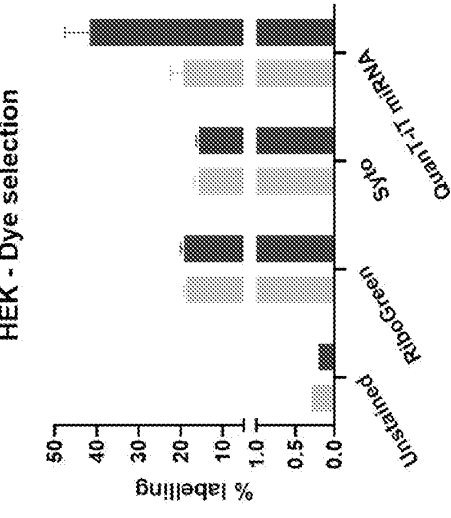


FIG. 8C

