

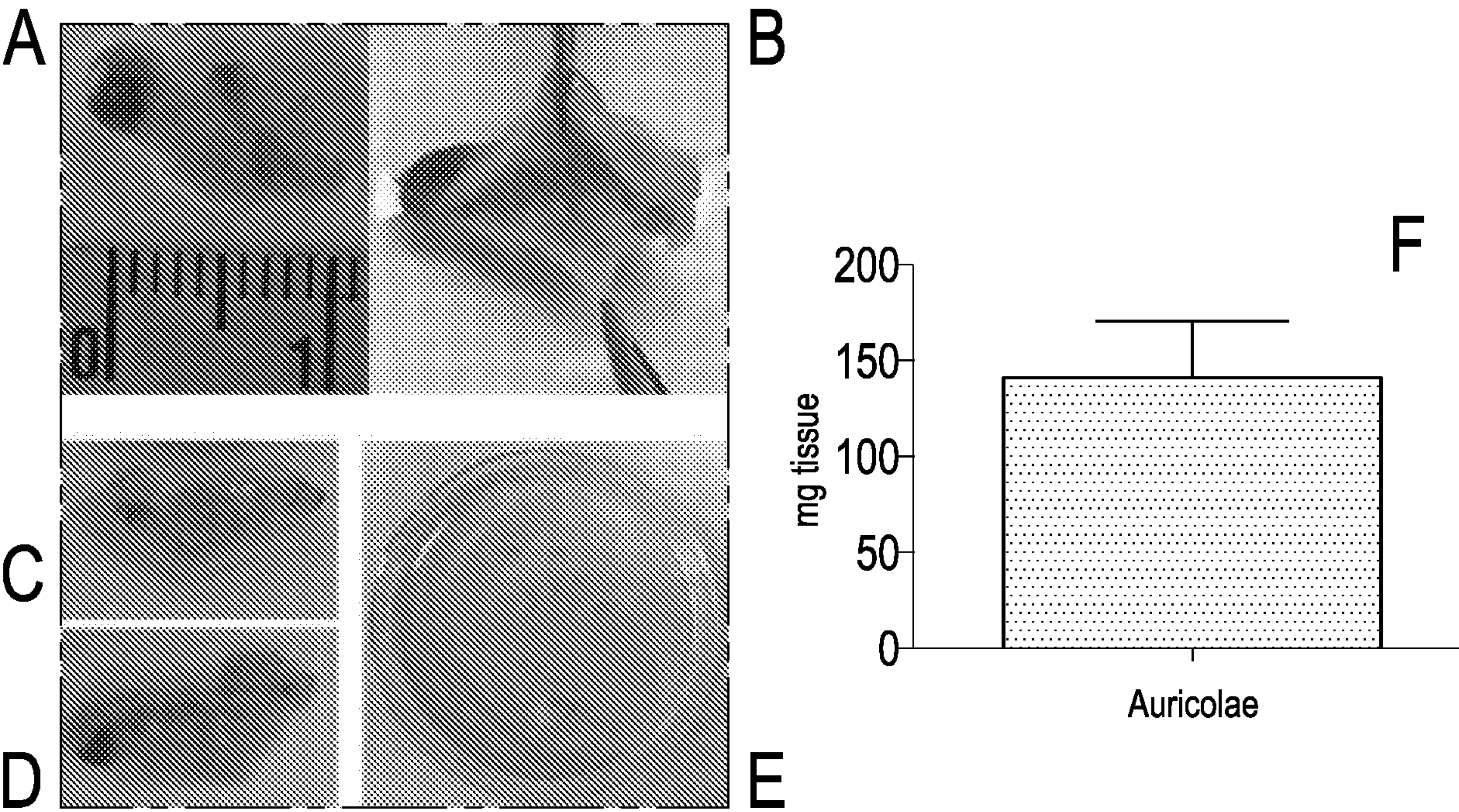


FIG.1

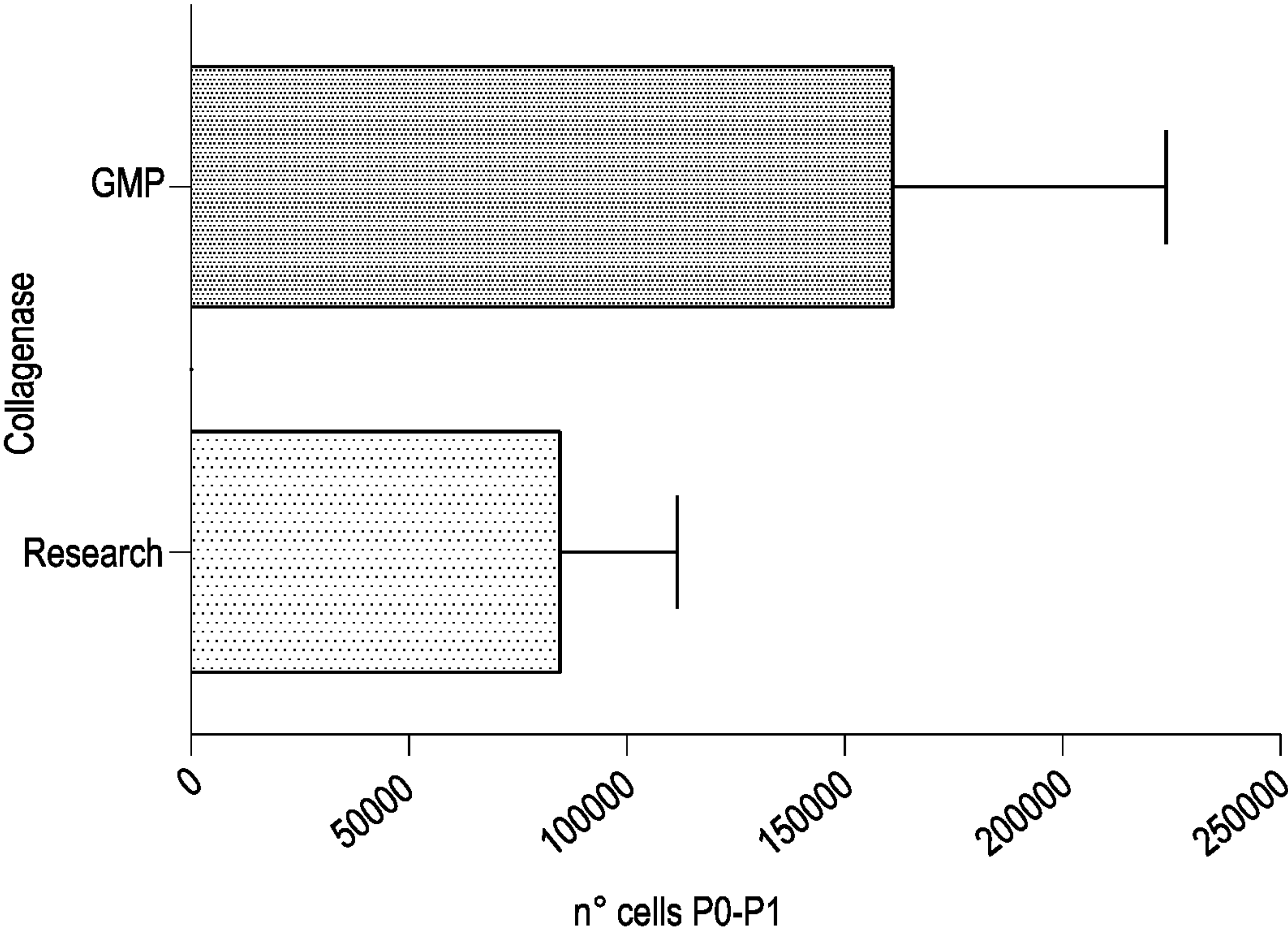


FIG.2

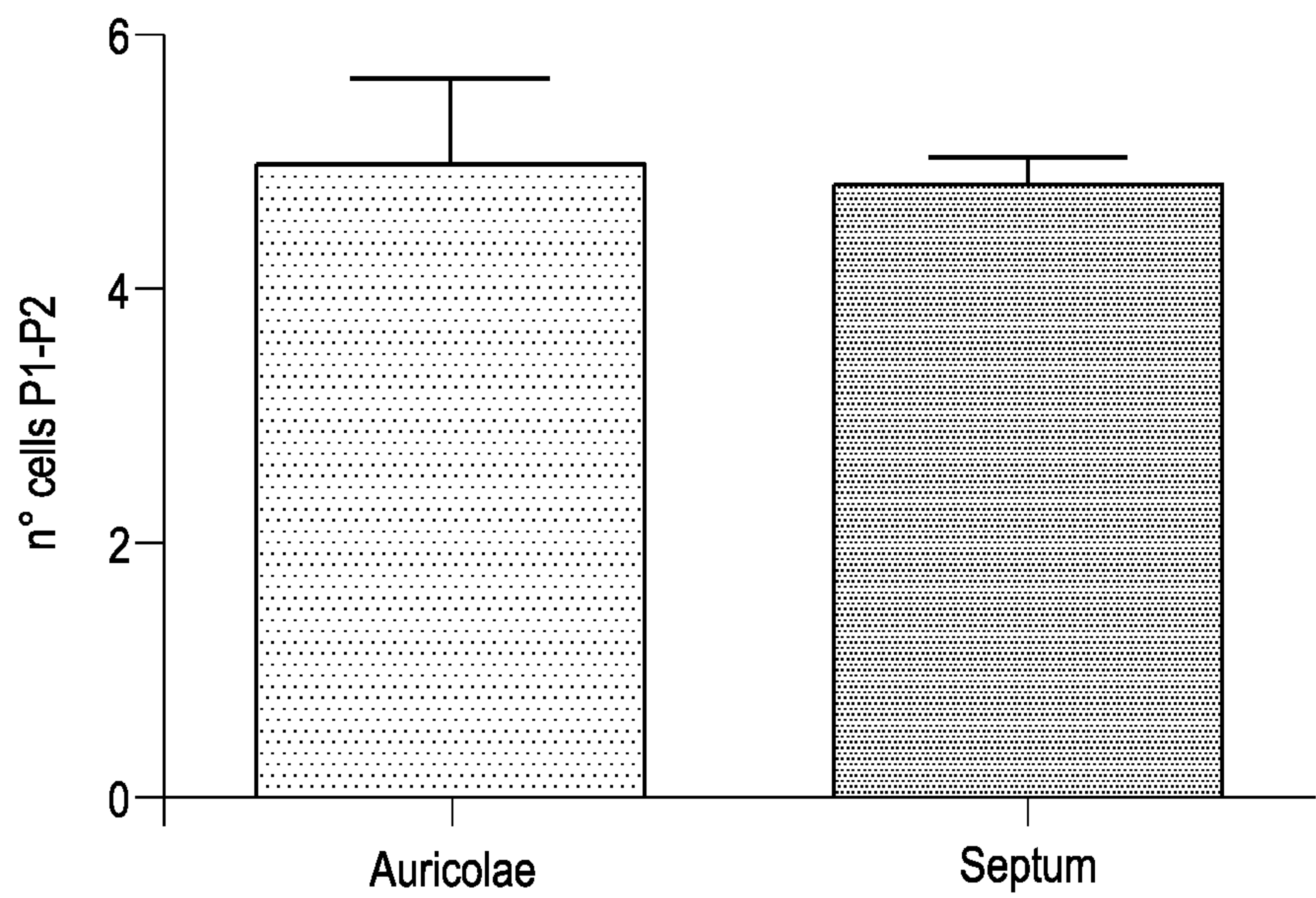


FIG.3

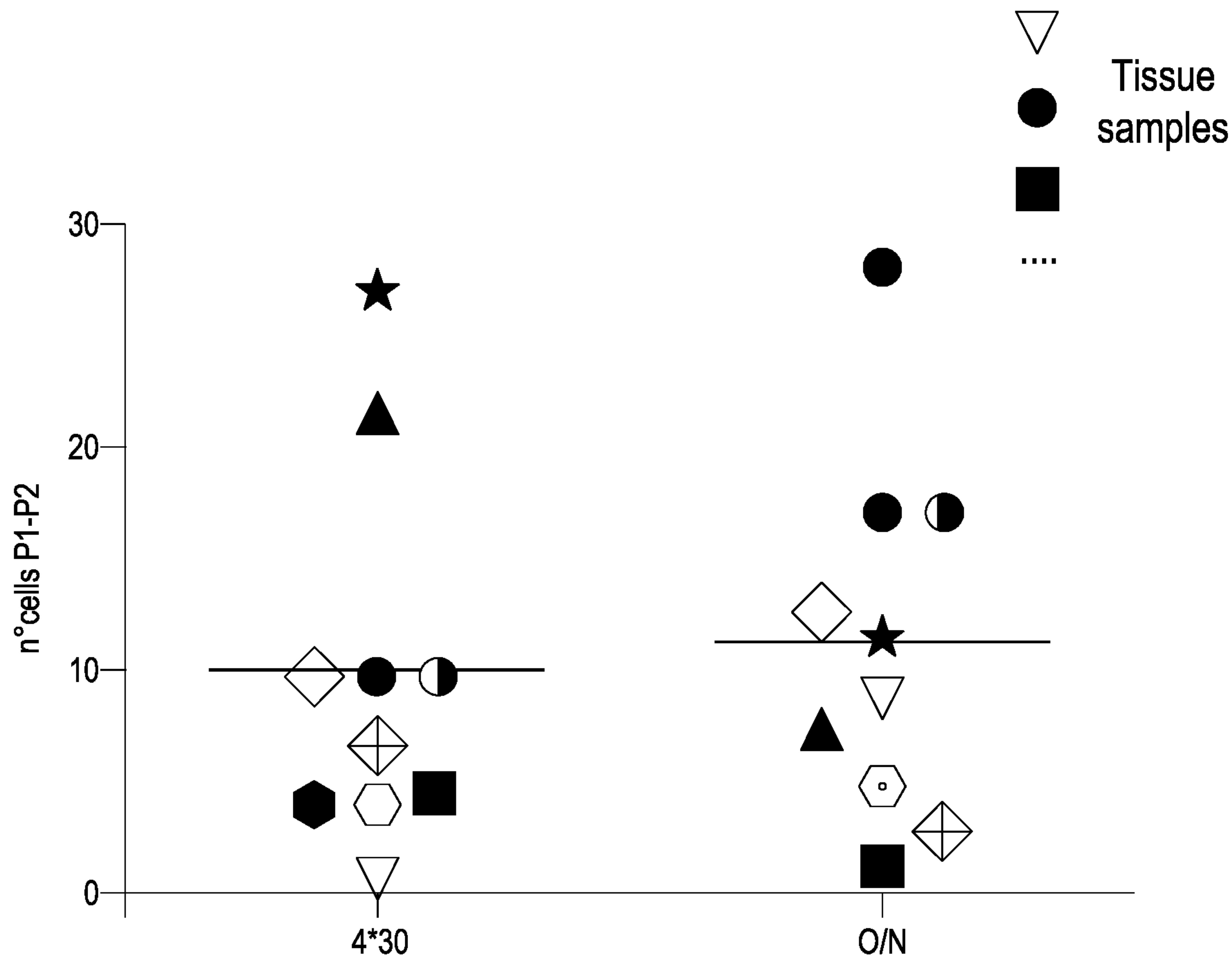


FIG.4

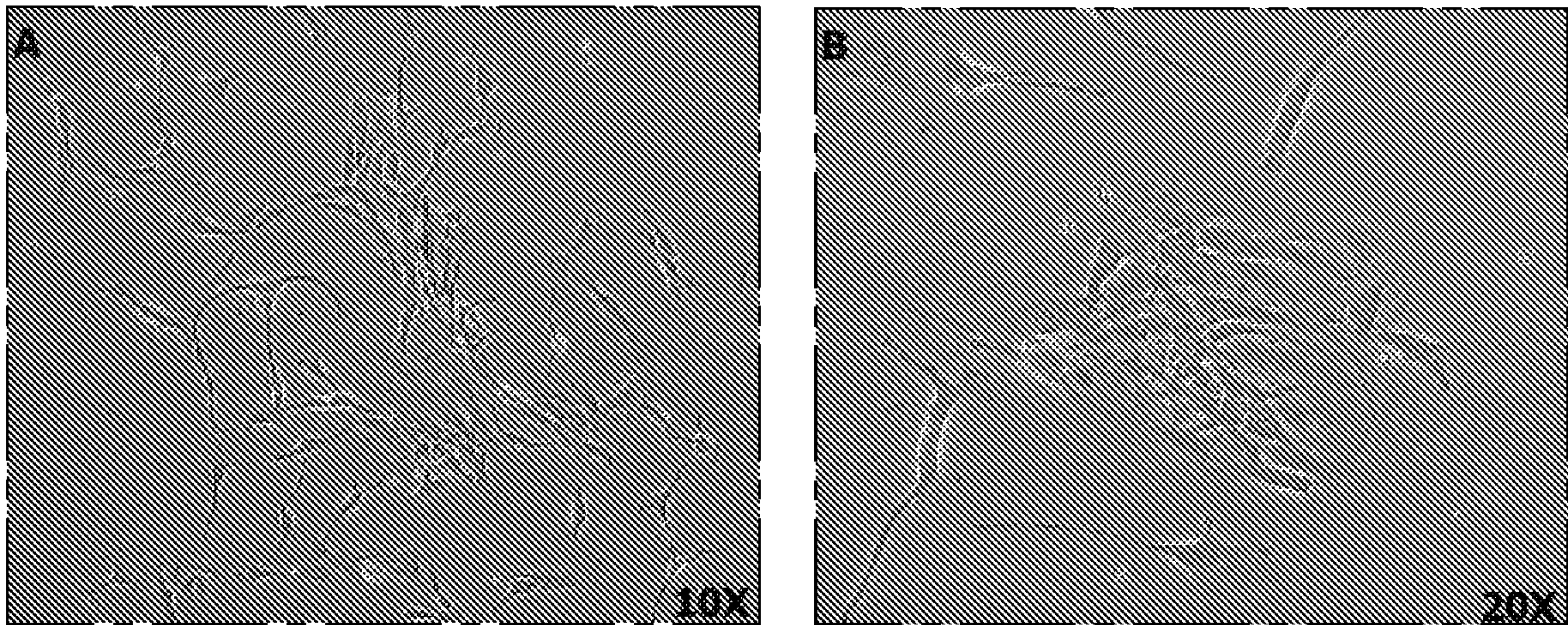


FIG.5

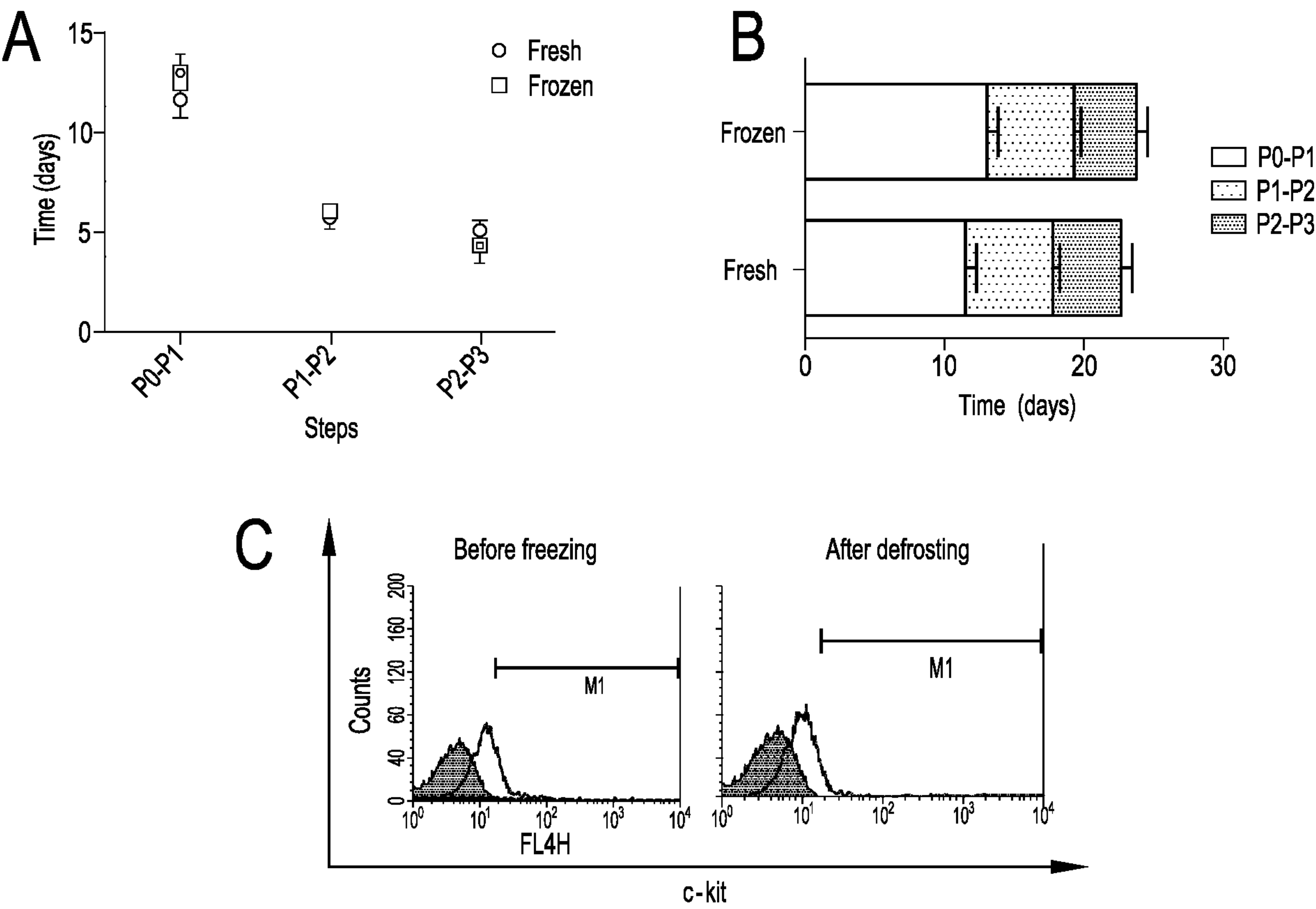


FIG.6

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FIG.7

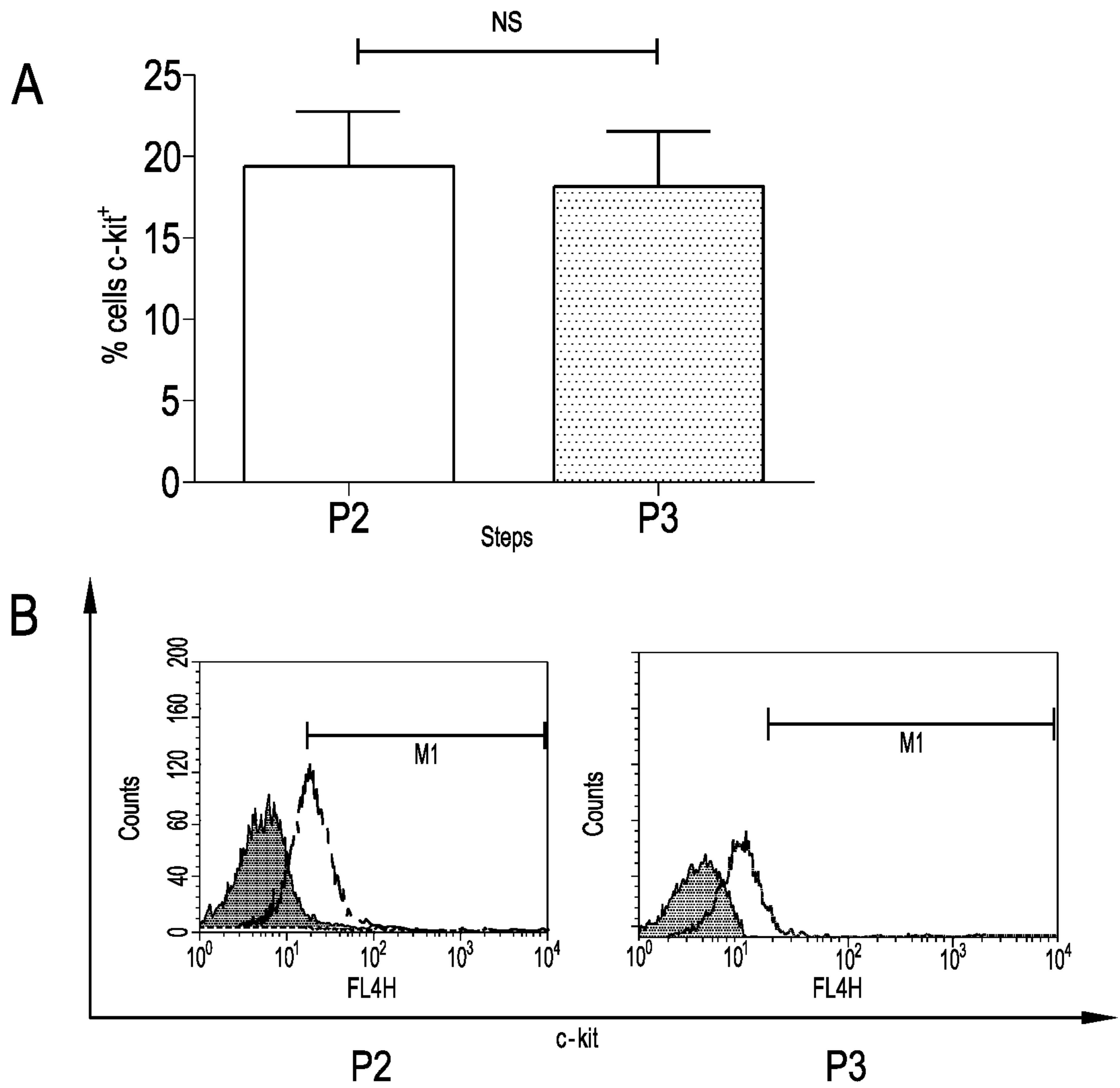
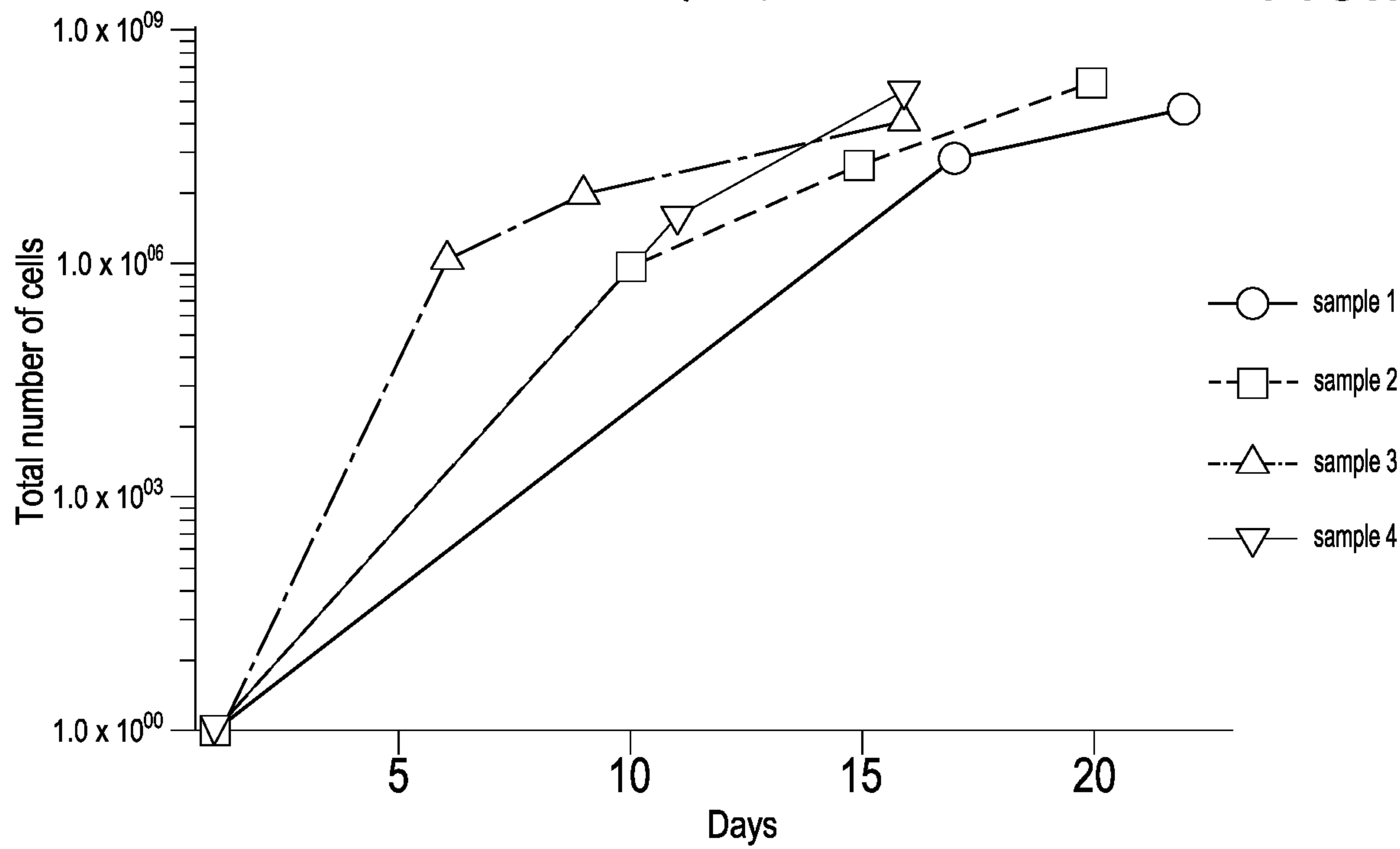
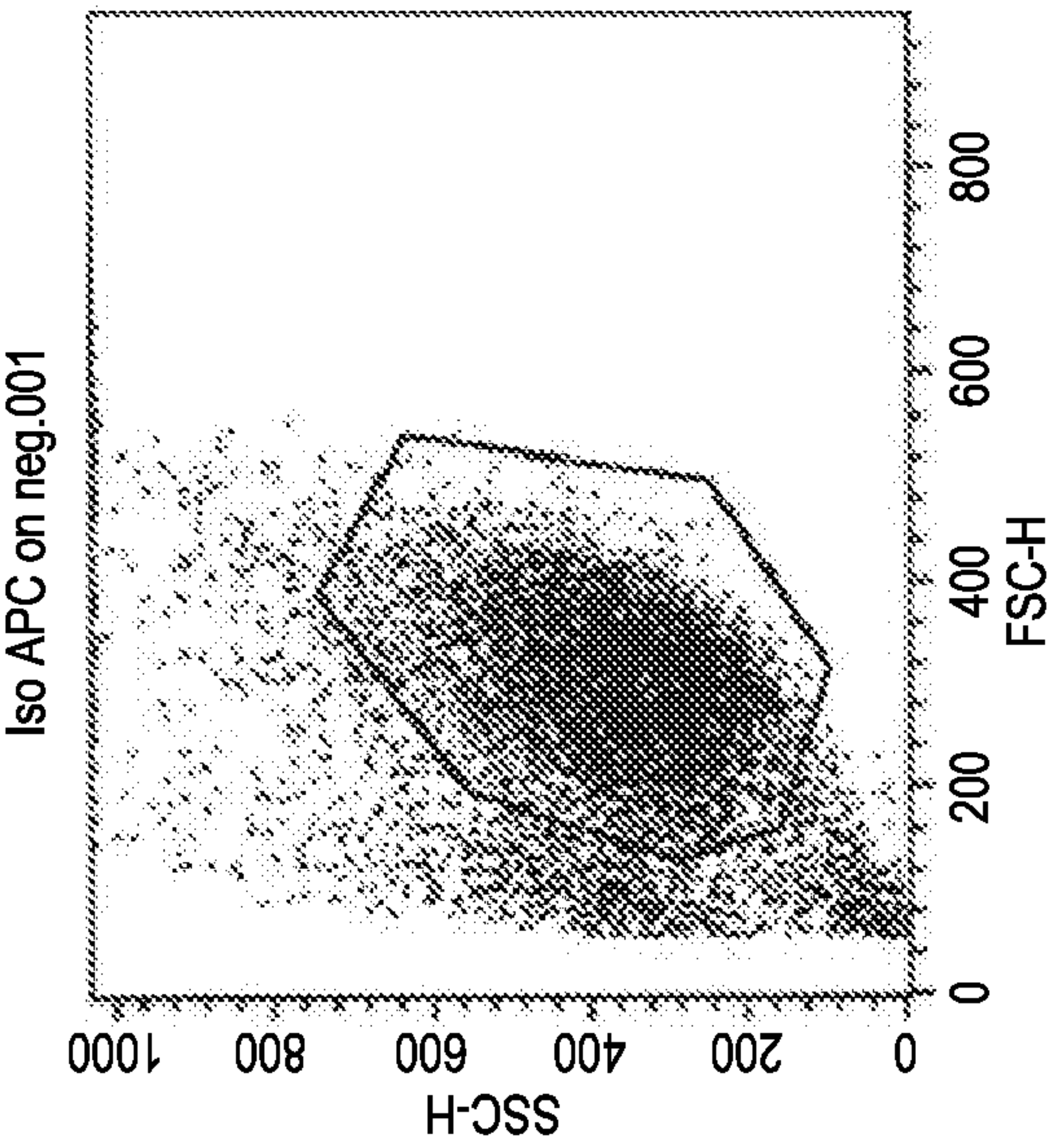
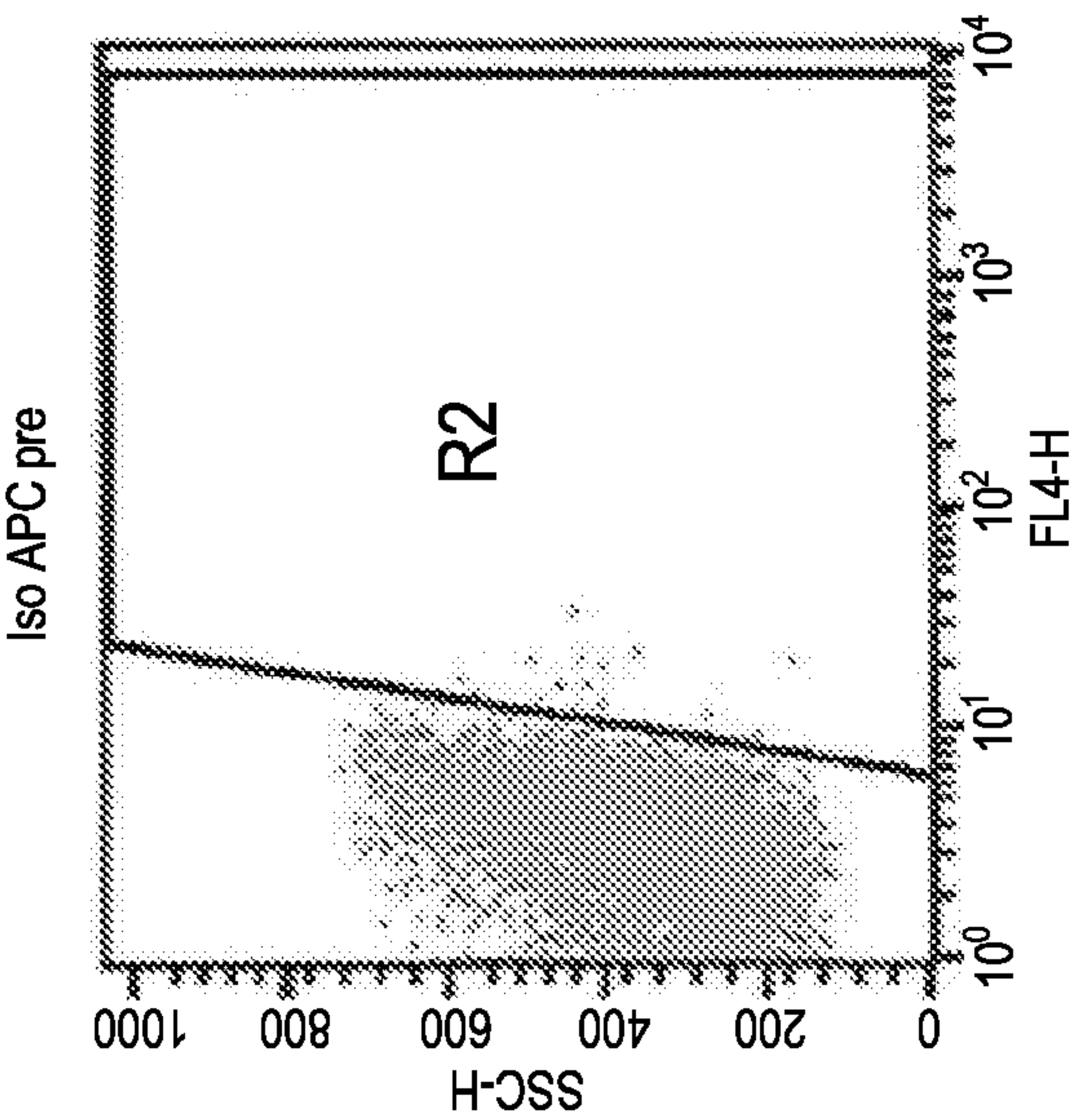


FIG.8

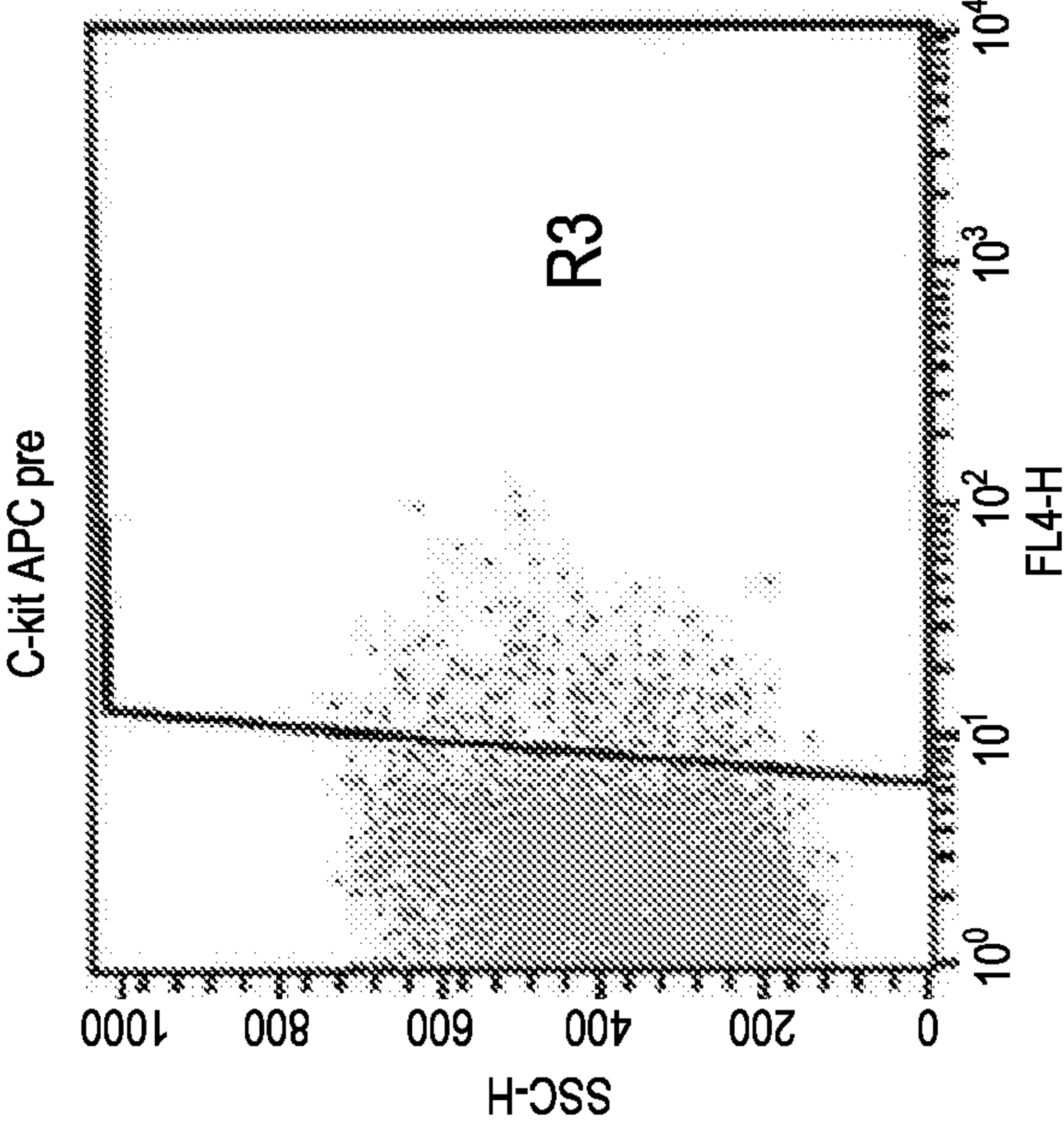
A



B



C



D

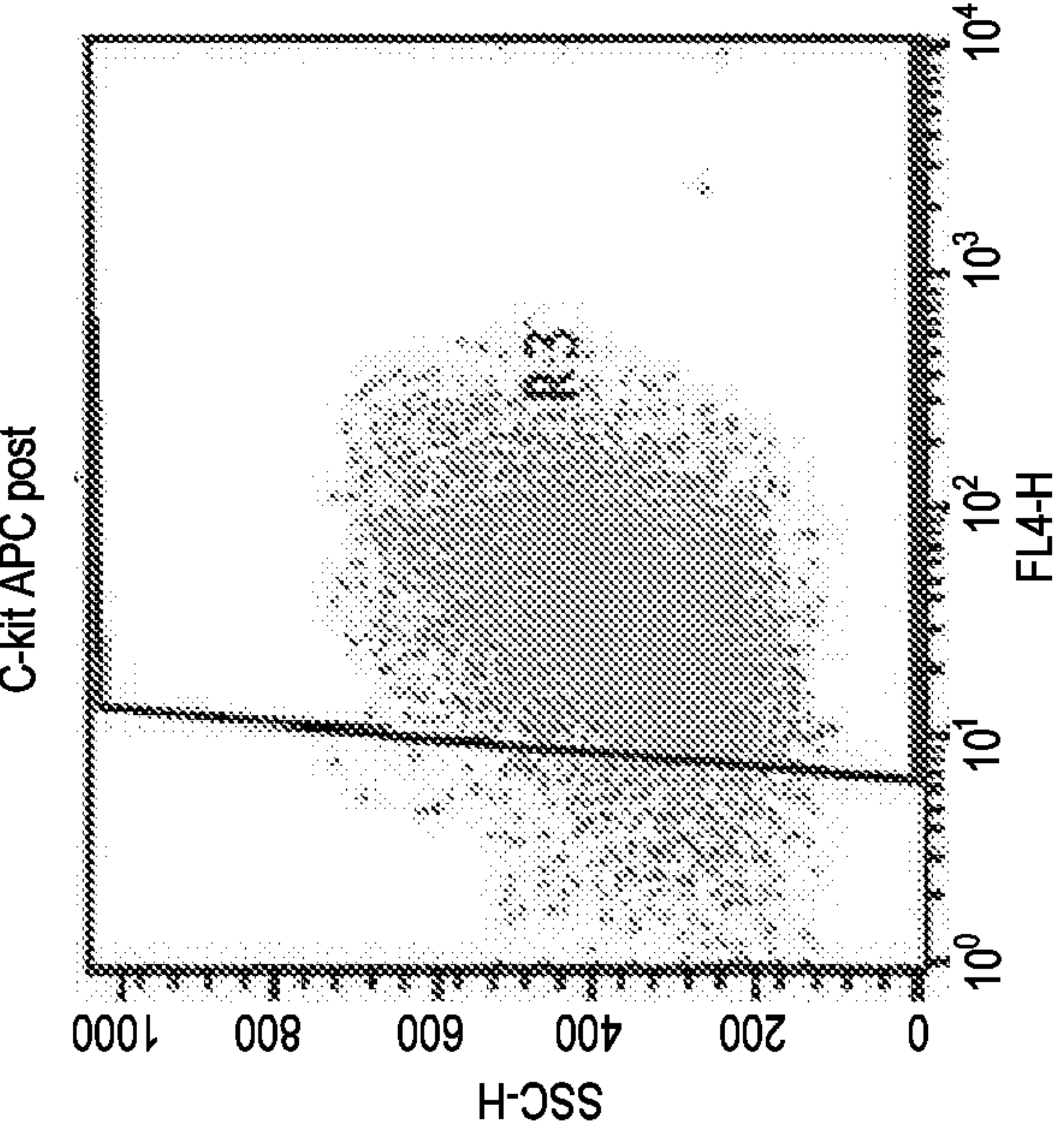
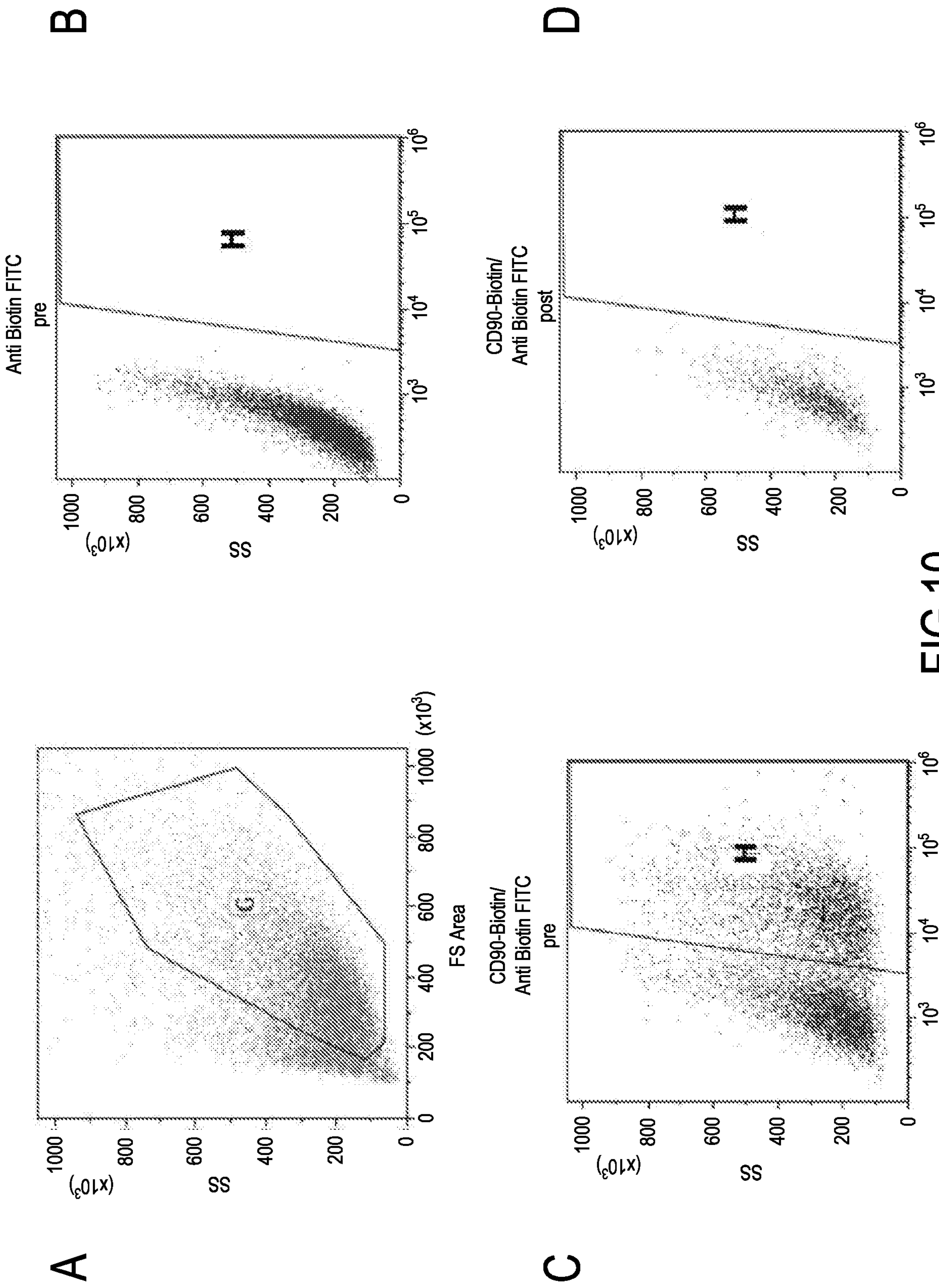


FIG.9



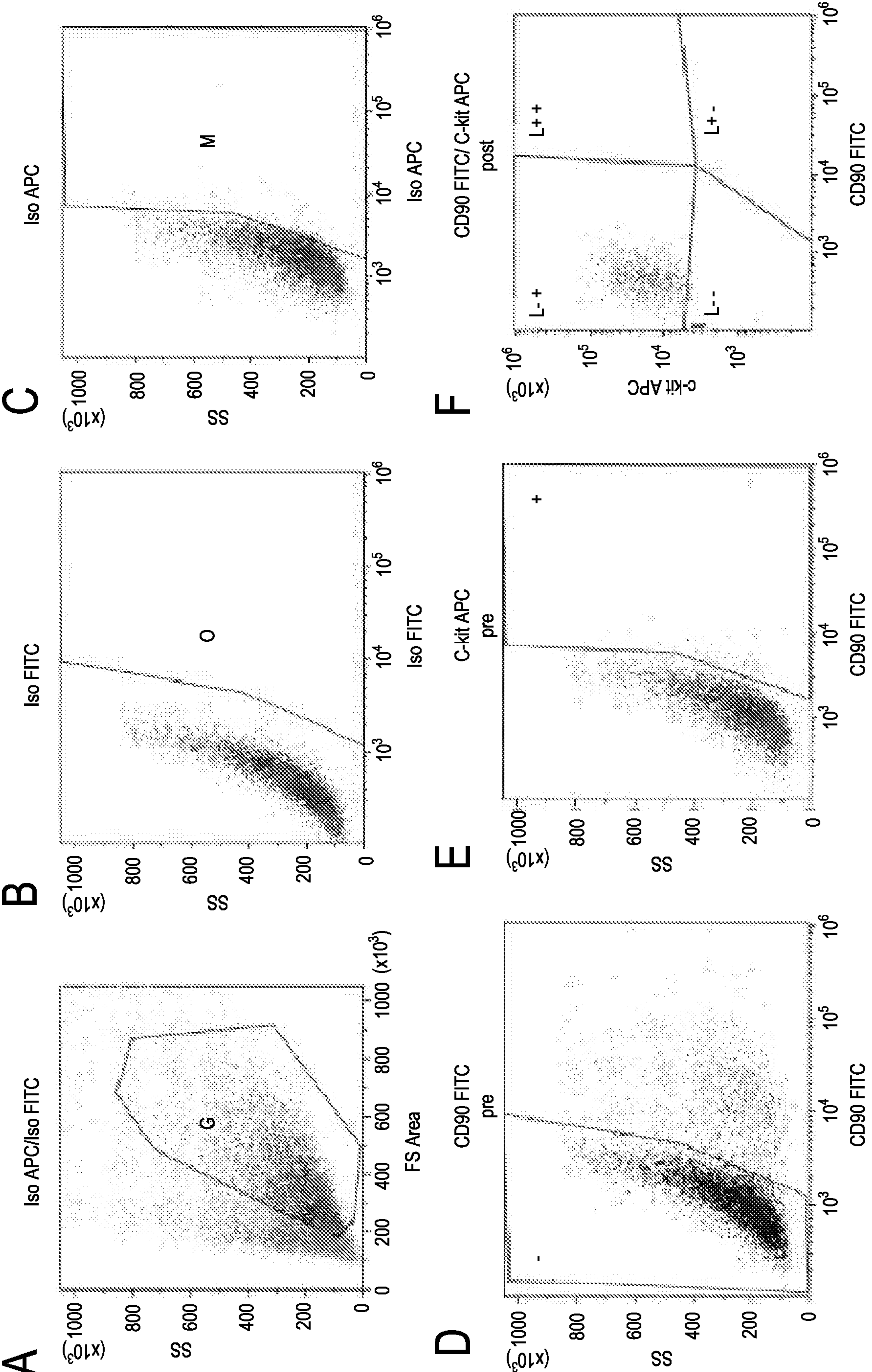
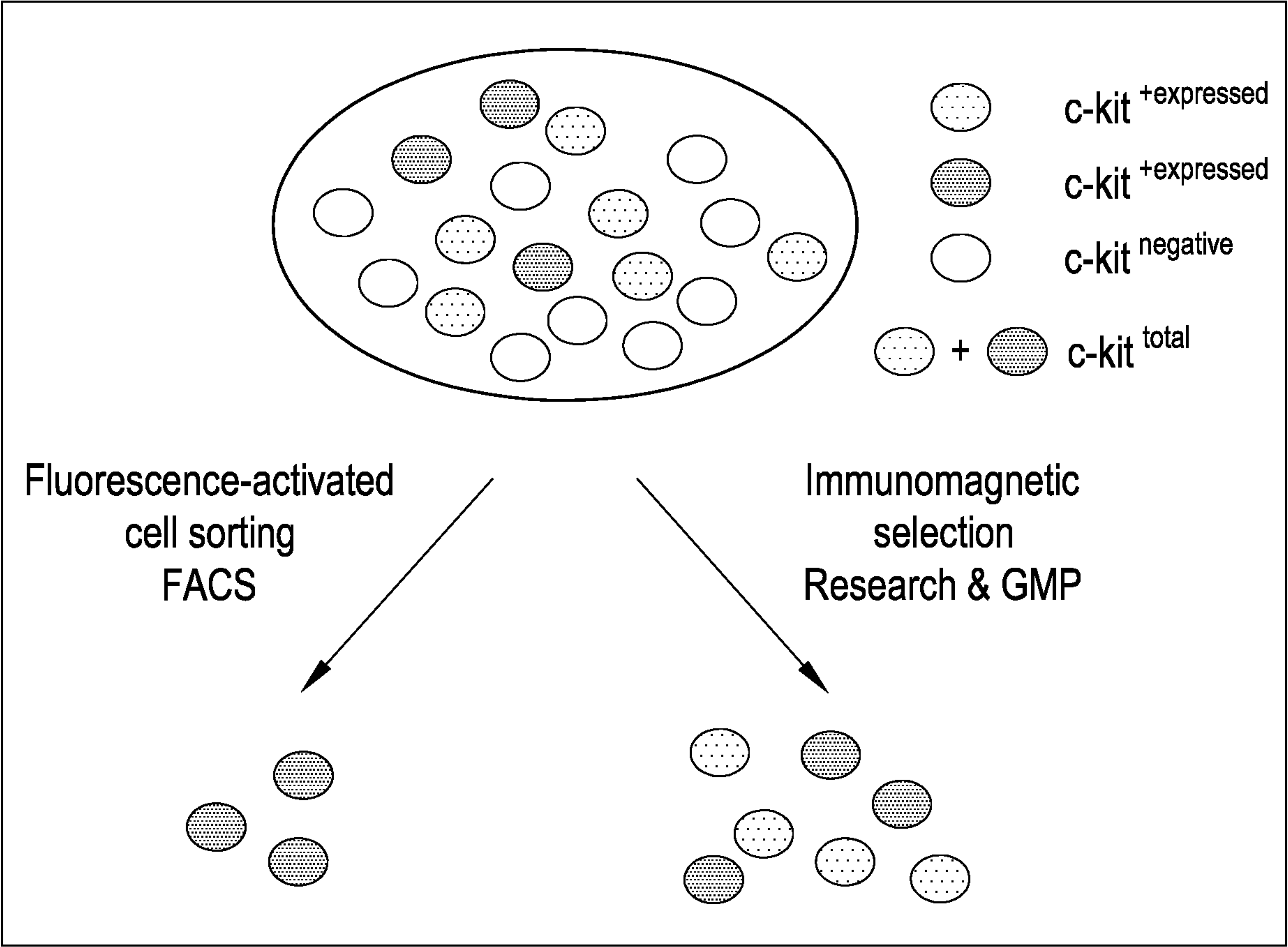


FIG.11

A



B

	Background (Gambini et al. Cardiovasc Res 2011)	Immunomagnetic selection (Research)	Immunomagnetic selection (GMP)
n° of selected cells	$\sim 6,5 \cdot 10^4$	$\sim 5 \cdot 10^5$	$\sim 4,9 \cdot 10^6$
Purity	$\sim 80\%$	$\sim 82,4\%$	$\sim 92\%$
Viability	+/-	++	+++

FIG.12

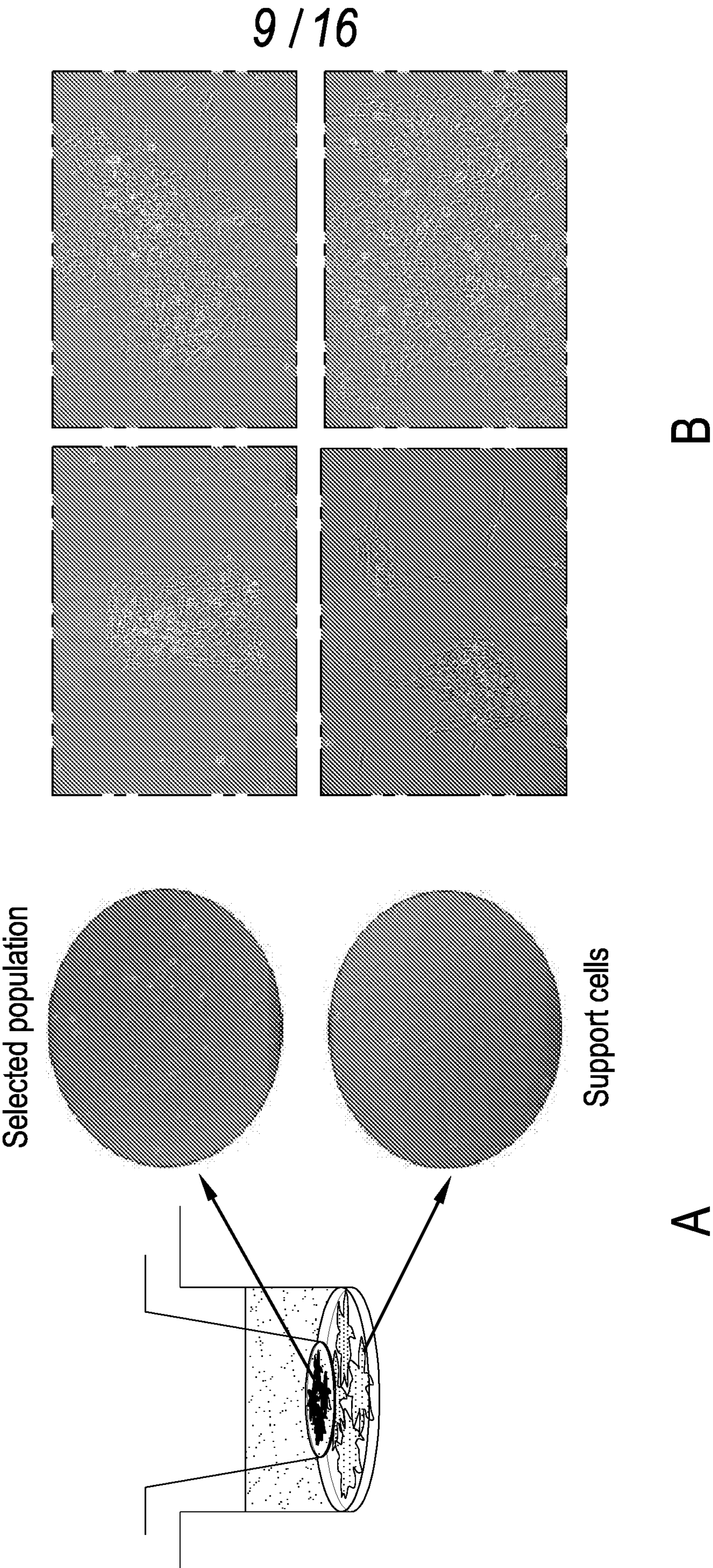
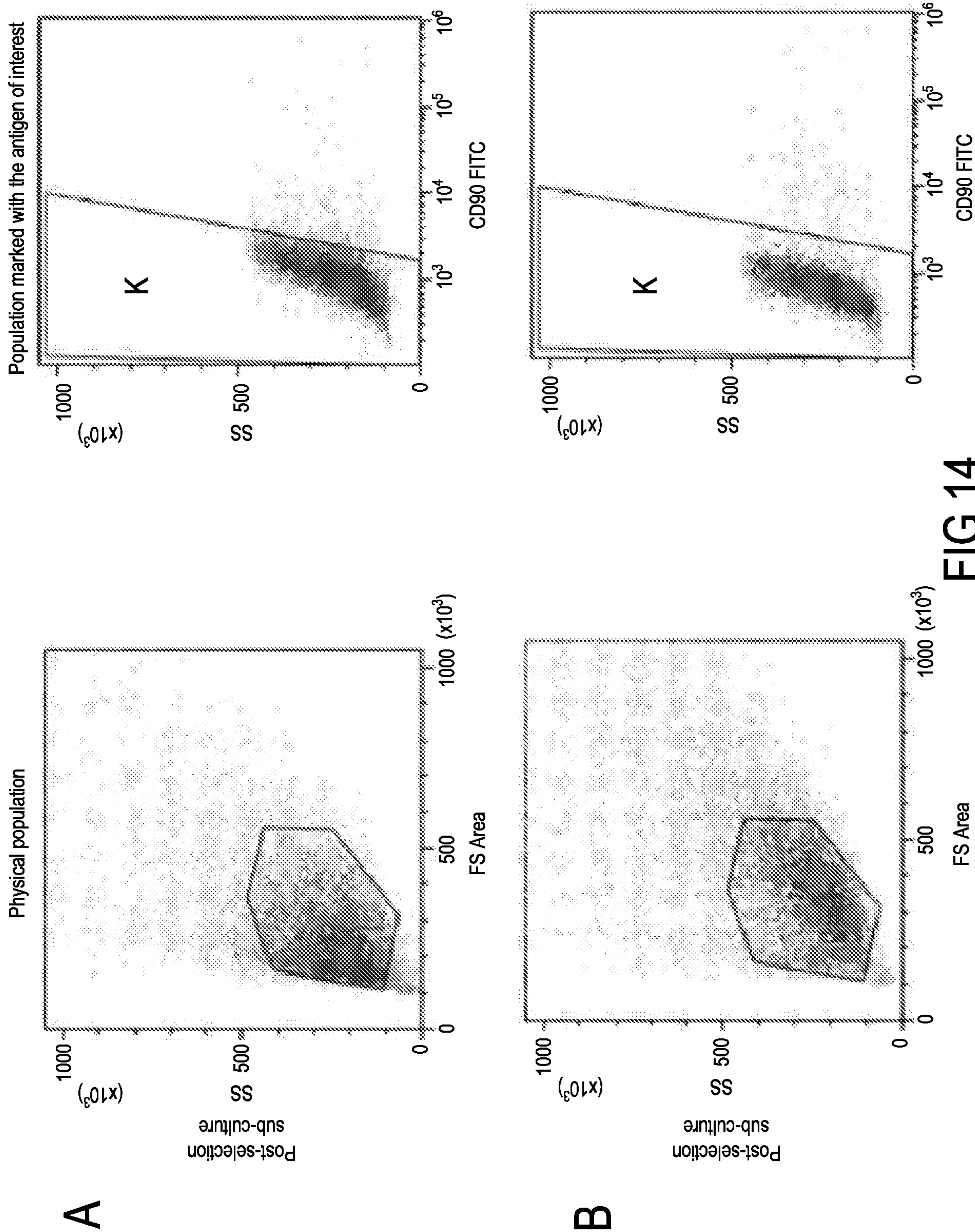


FIG.13



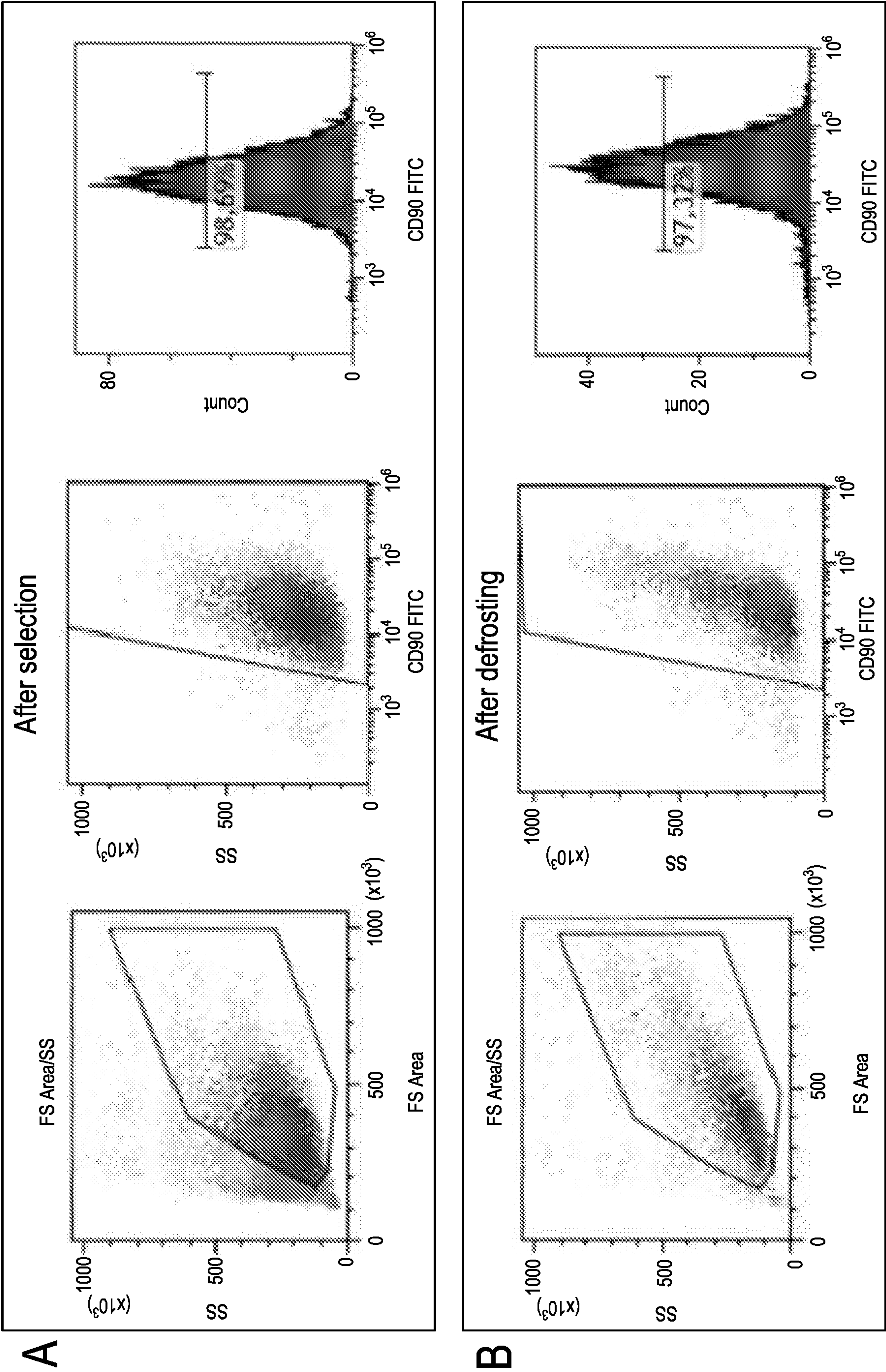


FIG.15

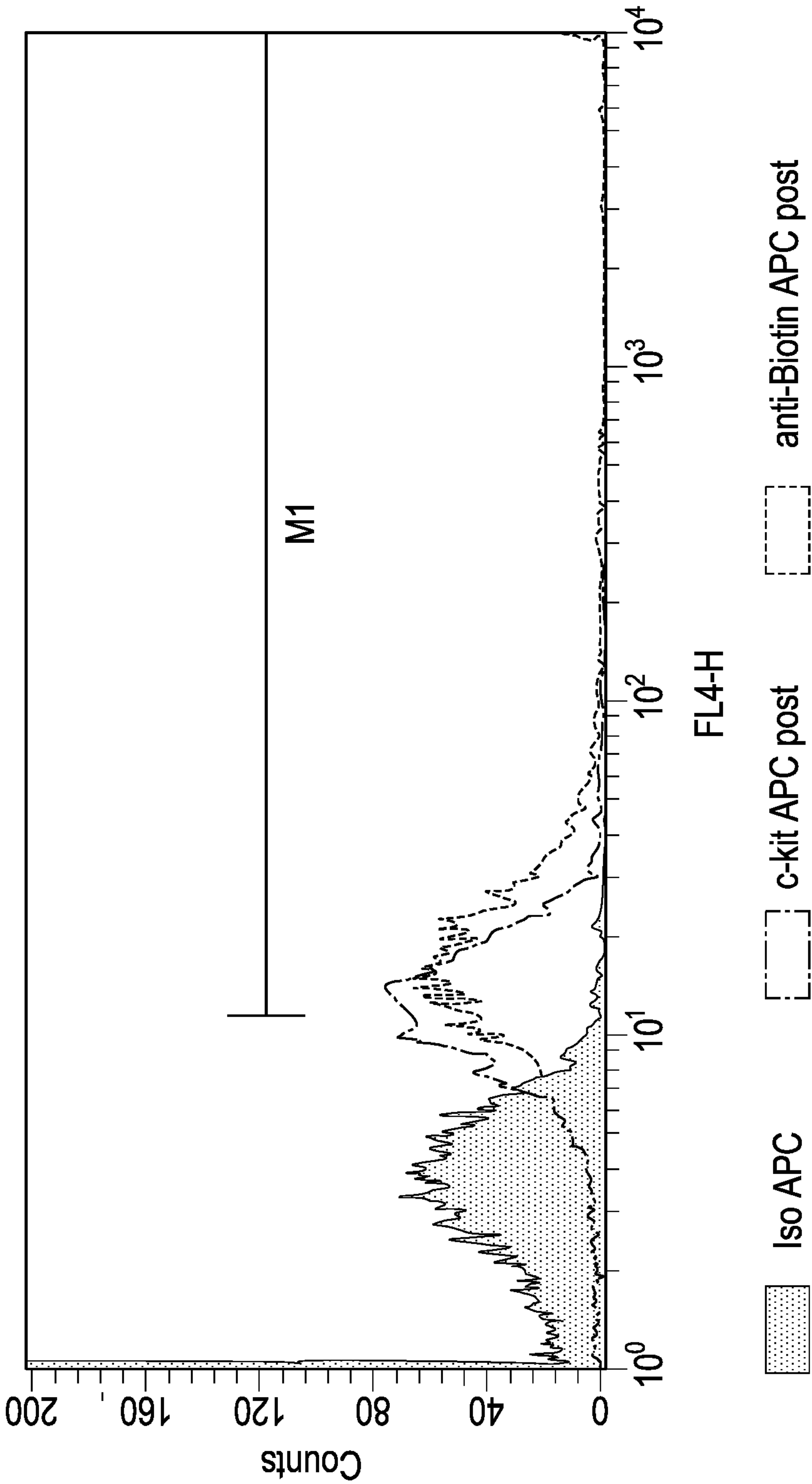


FIG.16

CD1a	CD55	CD132	CD235ab	CLEC9A
CD1b	CD56 (NCAM)	CD134	CD243	CX3CR1
CD1c	CD57	CD131	CD244 (2B4)	CXCR7
CD1d	CD58	CD137 (4-1 BB)	CD245 (p220/240)	delta-Opioid receptor
CD2	CD59	CD137L (4-1 BB Ligand)	CD252 (OX40L)	DLL1
CD3	CD61	CD138	CD253 (TRAIL)	DLL4
CD4	CD62E	CD140a	CD254	DR3 (TRAMP)
CD5	CD62L	CD140b	CD255 (TWEAK)	EGFR
CD6	CD62P P-Selectin	CD141	CD257 (BAFF,BLYS)	erbB3/HER-3
CD7	CD63	CD143	CD258 (LIGHT)	FceR1 Alpha
CD8a	CD64	CD143	CD261 (DR4, TRAIL-R1)	FcRL6
CD9	CD66a/c/e	CD146	CD262 (DR5, TRAIL-R2)	
CD10	CD66b	CD148	CD263 (DcR1, TRAIL-R3)	GARP (LRRC32)
CD11a	CD69	CD150 (SLAM)	CD266 (Fn14,Receptore TWEAK)	HLA -A,B,C
CD11b	CD70	CD152	CD267 (TACI)	HLA -A2
CD11b	CD71	CD154	CD268 (BAFF-R, BAFFR)	HLA -DQ
CD11c	CD73	CD155 (PVR)	CD270 (HVEM)	HLA -DR
CD13	CD74	CD156c (ADAM10)	CD271	HLA -E
CD14	CD79b	CD158a/h	CD273 (B7-DC, PD-L2)	HLA -G
CD15 (SSEA -1)	CD80	CD158b (KIR2DL2/L3, NKAT2)	CD274 (B7-H1, PD-L1)	IFN-g R b chain
CD16	CD81	CD158d	CD275 (B7-H2,B7-RP1, ICOSL)	Ig K light chain
CD18	CD82	CD158e1 (KIR3DL1, NKB1)	CD276	Ig omega light chain
CD19	CD83	CD158f	CD277	IgD
CD20	CD84	CD161	CD278 (ICOS)	IgM
CD21	CD85a (ILT5)	CD162	CD279 (PD-1)	IL-28RA
CD22	CD85d (ILT4)	CD163	CD282 (TLR2)	Integrin alpha 9 beta1
CD23	CD85g (ILT7)	CD164	CD284 (TLR4)	Integrin beta5
CD24	CD85h (ILT1)	CD165	CD286 (TLR6)	Integrin beta7
CD25	CD85i (ILT2)	CD166	CD290	Jagged 2
CD26	CD85k (ILT3)	CD167a (DDR1)	CD294	LAP
CD27	CD86	CD169	CD298	Lymphotoxin beta receptor
CD28	CD87	CD170 (Siglec-5)	CD300e (IREM-2)	Mac-2 (Galectin-9)
CD29	CD88	CD172a (SIRPa)	CD300F	MAIR-II
CD30	CD89	CD172b (SIRPg)	CD301	MICA/MICB PE
CD31	CD90 (Thy1)	CD172g (SIRPg)	CD303	MSC (W3D5)
CD32	CD67	CD178 (Fas-L)	CD304	MSC (W5C5)
CD33	CD94	CD179a	CD307	MSC (W7C6)
CD34	CD95	CD179b	CD307d (FcRL4)	MSC e NPC (W4A5)
CD35	CD96	CD180 (RP105)	CD314 (NKG2D)	MSCA-1 (MSC, W8B2)
CD36	CD97	CD181 (CXCR1)	CD317	NKp80
CD38	CD98	CD182 (CXCR2)	CD318 (CDC1)	Notch1
CD39	CD100	CD183	CD319 (CRACC)	Notch2
CD40	CD101 (BB27)	CD184 (CXCR4)	CD317 (E-Cadherin)	Notch3
CD41	CD102	CD193 (CCR3)	CD325	Notch4
CD42b	CD103	CD195 (CCR5)	CD326 (Ep-CAM)	NPC (57D2)
CD43	CD104	CD196	CD328 (Siglec-7)	Podoplanin
CD44	CD105	CD197 (CCR7)	CD334 (FGFR4)	Pre- BCR
CD45	CD106	CD200 (OX2)	CD335 (NKp46)	PSMA
CD45RA	CD107a (LAMP-1)	CD200 R	CD336 (NKp44)	Siglec-10
CD40RB	CD108	CD201 (EPCR)	CD337 (NKp30)	Siglec- 8
CD40RO	CD109	CD202b (Tie2/Tek)	CD338 (ABCG2)	Siglec- 9
CD46	CD111	CD203c (E-NPP3)	CD340 (erbB2 HER-2)	SSEA-1
CD47	CD112 (Nectin -2)	CD205 (DEC-205)	CD344 (Frizzled-4)	SSEA-3
CD48	CD114	CD206 (MMR)	CD351	SSEA-4
CD49a	CD115	CD207 (Langerin)	CD352 (NTB-A)	SSEA-5
CD49c	CD116	CD209 (DC-SIGN)	CD354 (TREM-1)	TCRg/d
CD49d	CD117 (c- kit)	CD210 (IL-10 R)	CD355 (CRTAM)	TCR Vbeta13.2
CD49e	CD119	CD213a2	CD357 (GITR)	TCR Vbeta23
CD49e	CD122	CD215 (IL - 15 R alpha)	CD360 (IL-21R)	TCR Vbeta6
CD50 (ICAM-3)	CD123	CD218a (IL - 18R alpha)	Microglobulin beta 2	TCR Vbeta9
CD51	CD124	CD220	BTLA	TCR Vdelta2
CD51/61	CD126	CD221 (IGF- 1R)	C3AR	TCR Vg9
CD52	CD127 (IL 7 R alpha)	CD226 (DNAM-1)	C5L2	
CD53	CD129 (IL-9 R)	CD229 (Ly-9)	CCR10	
CD54	CD131	CD221 (TALLA)	CLEC12A	

FIG.17

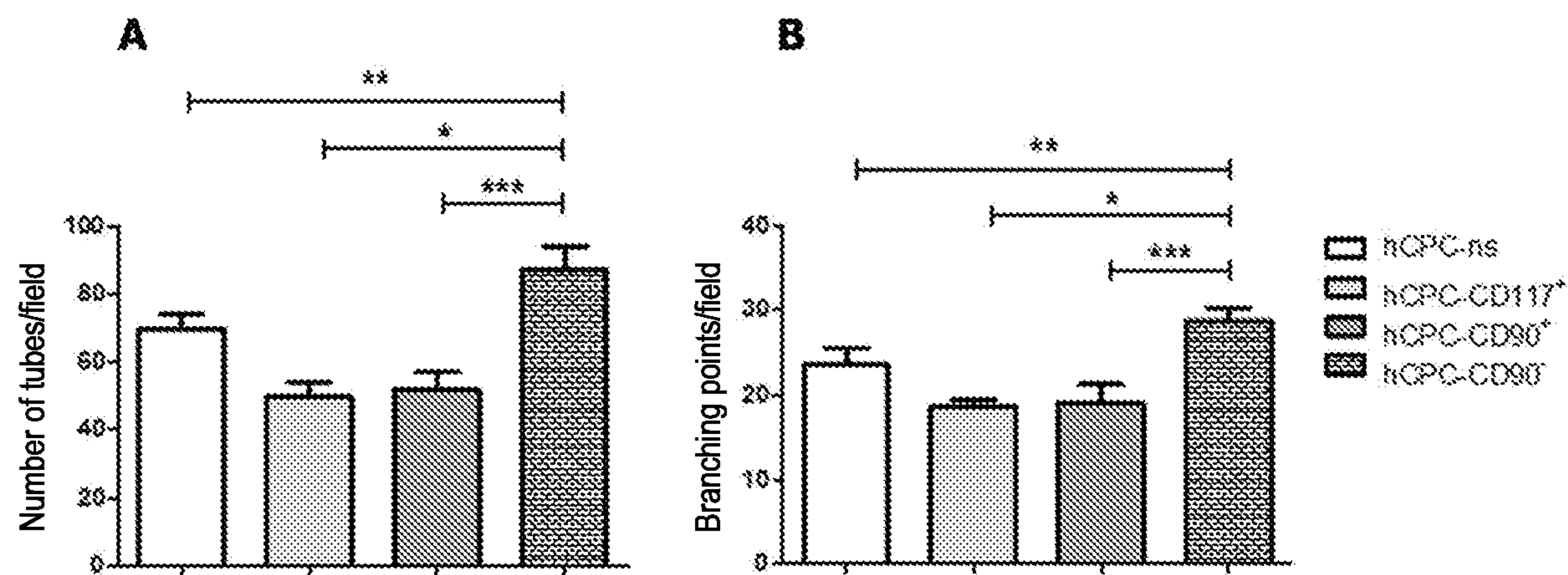


FIG.18

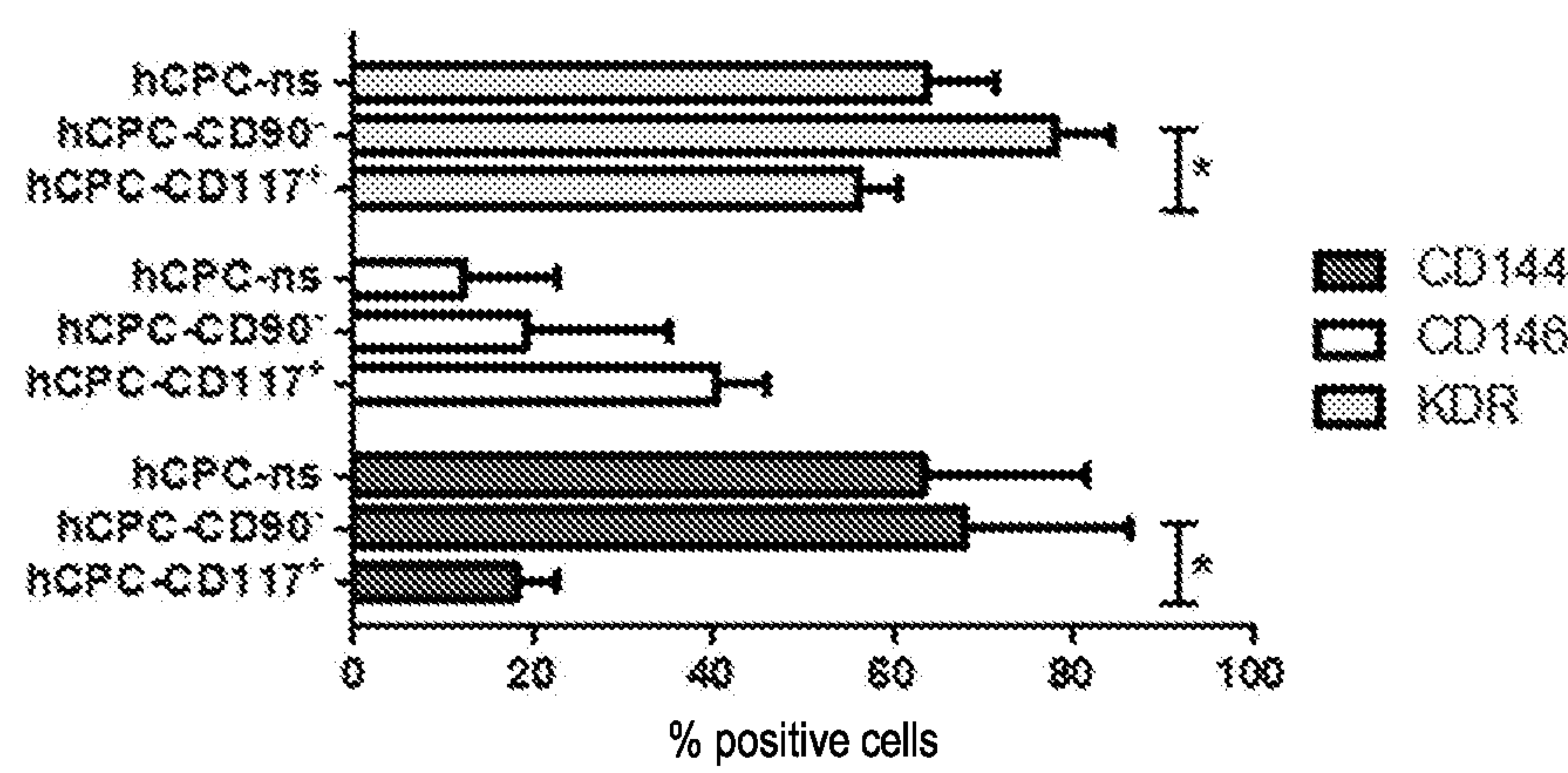


FIG.19

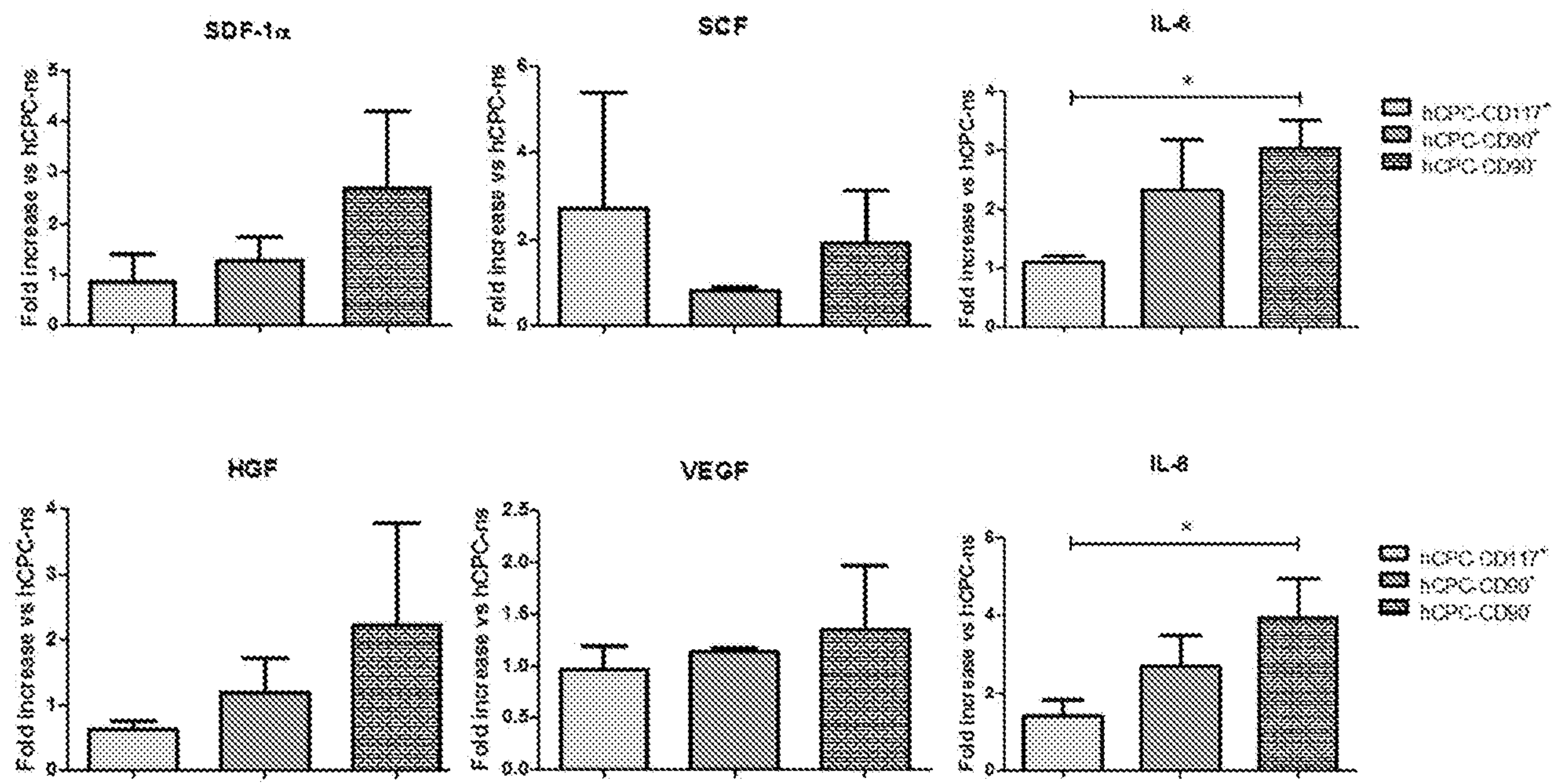


FIG.20

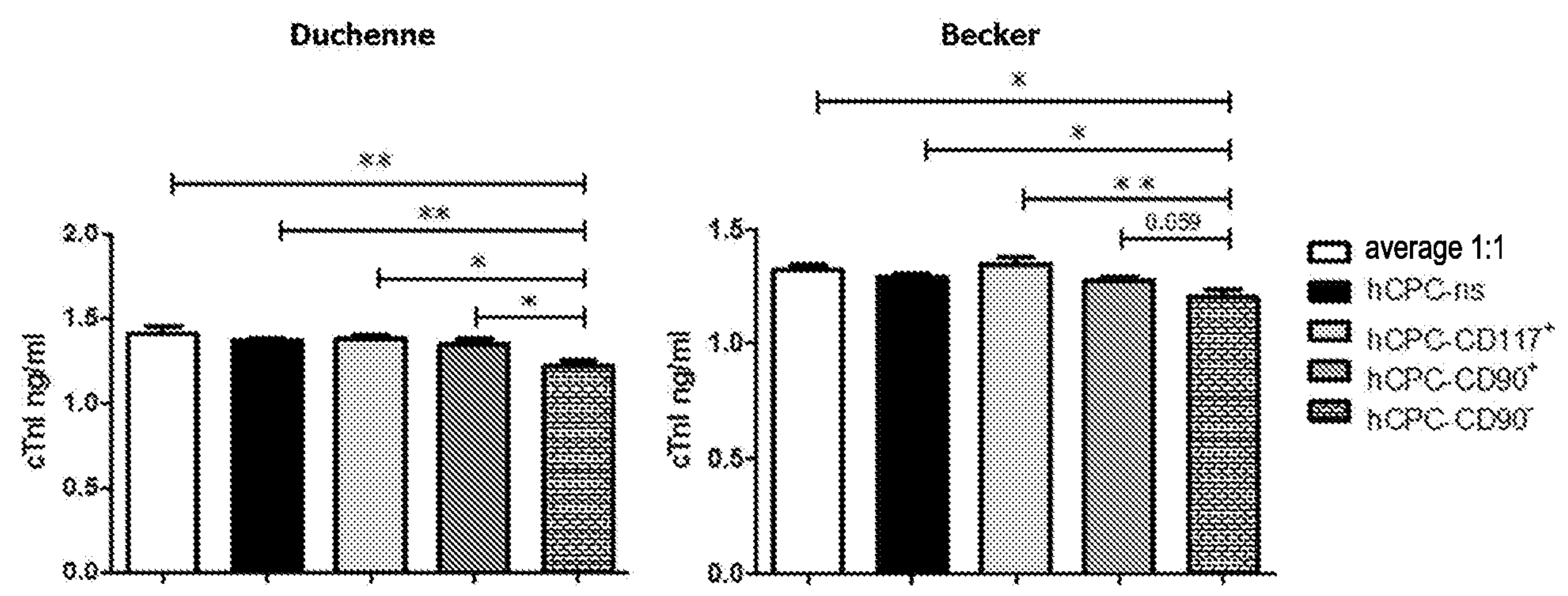


FIG.21

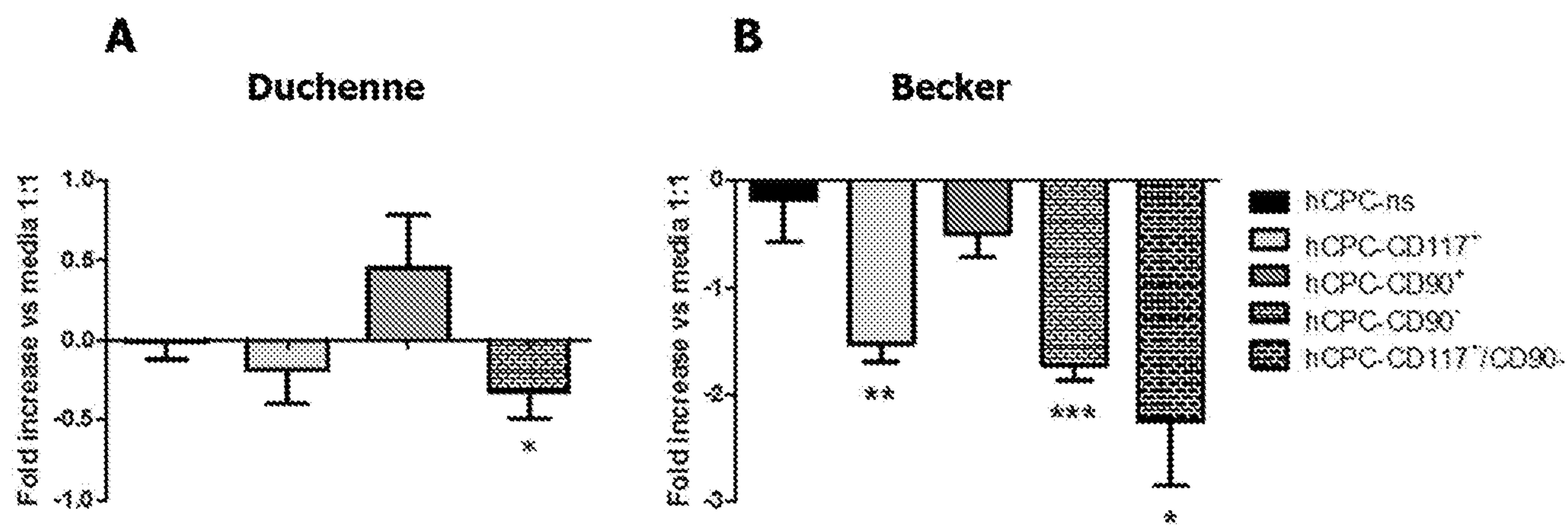


FIG.22

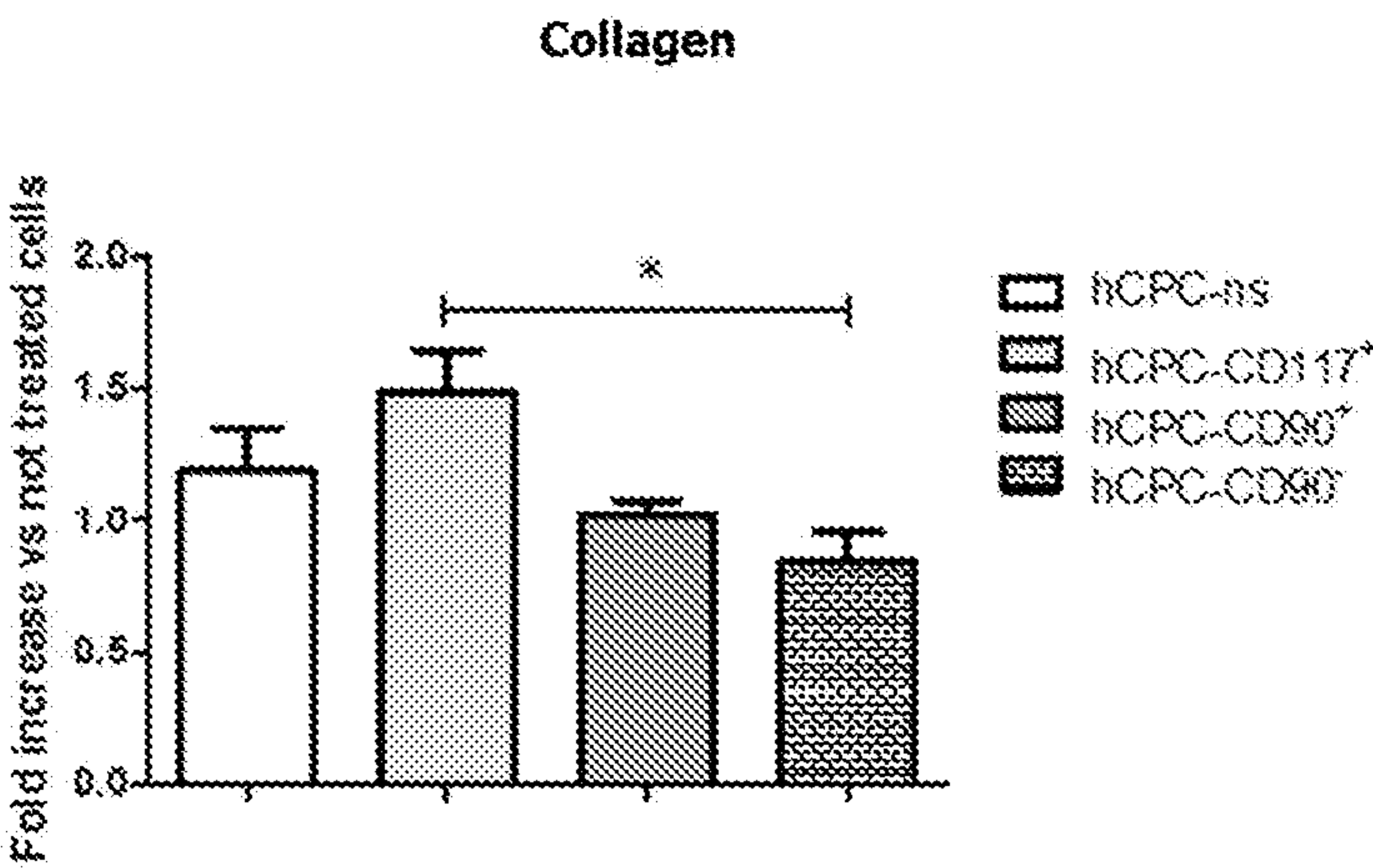


FIG.23