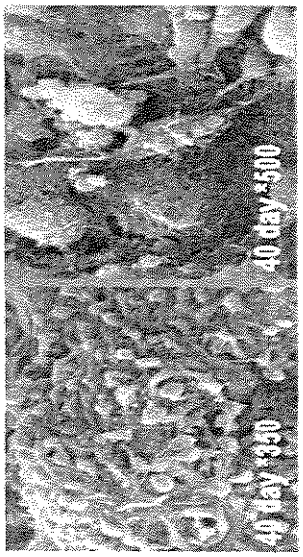


Fig. 1f



Fig. 1e

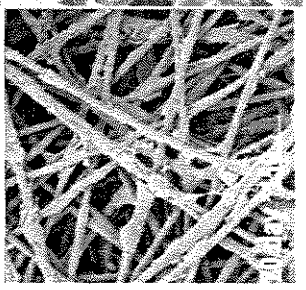


Fig. 1d

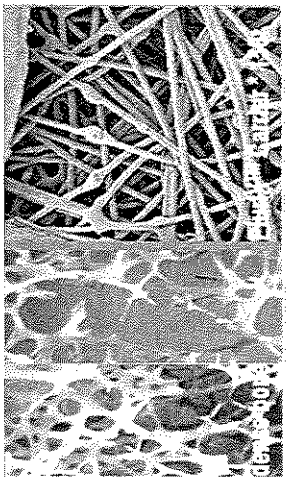


Fig. 1c

Fig. 1b

Fig. 1a

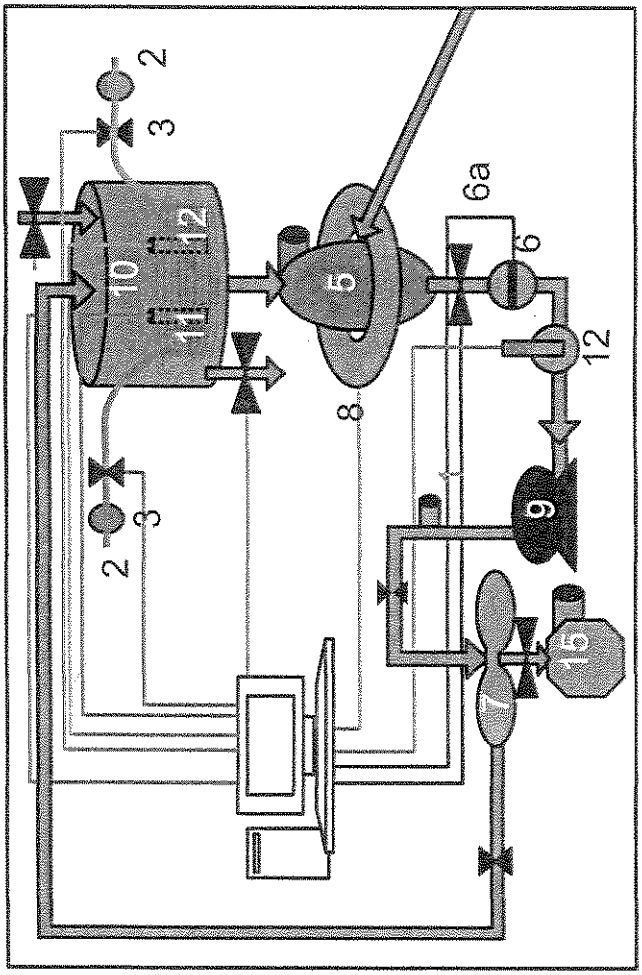
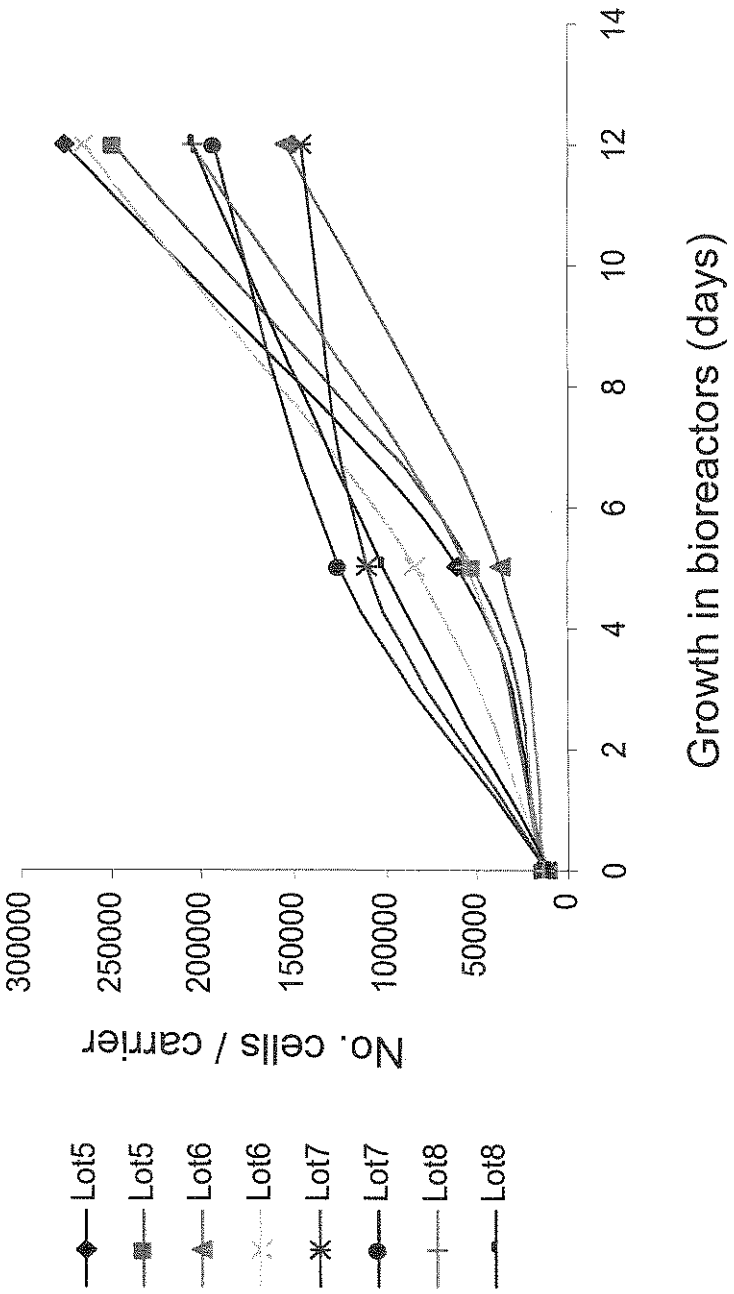


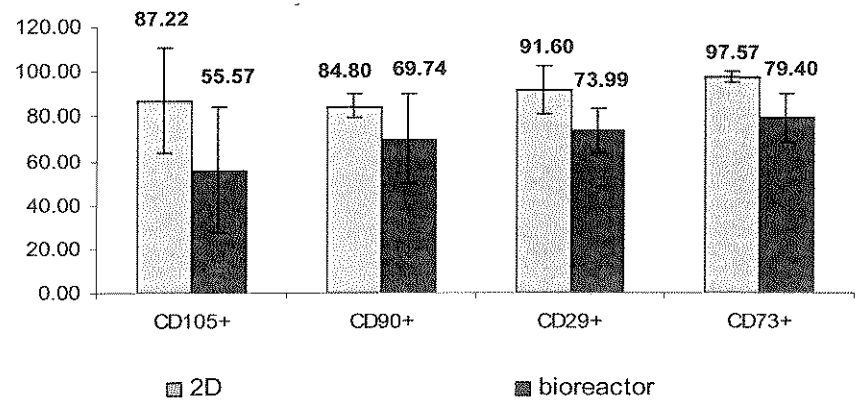
Fig. 1g

Fig. 2


Growth in bioreactors (days)
0
2
4
6
8
10
12
14
No. cells / carrier
300000
250000
200000
150000
100000
50000
0
Lot5
Lot5
Lot6
Lot6
Lot7
Lot7
Lot8
Lot8

Figs. 3a-b

a


120.00
100.00
80.00
60.00
40.00
20.00
0.00
87.22
55.57
84.80
69.74
91.60
73.99
97.57
79.40
CD105+
CD90+
CD29+
CD73+
2D
bioreactor

b

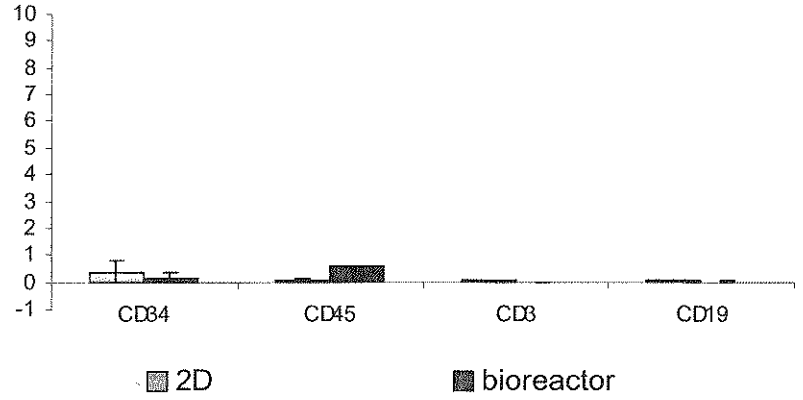

10
9
8
7
6
5
4
3
2
1
0
-1
CD34
CD45
CD3
CD19
2D
bioreactor

Fig. 4a

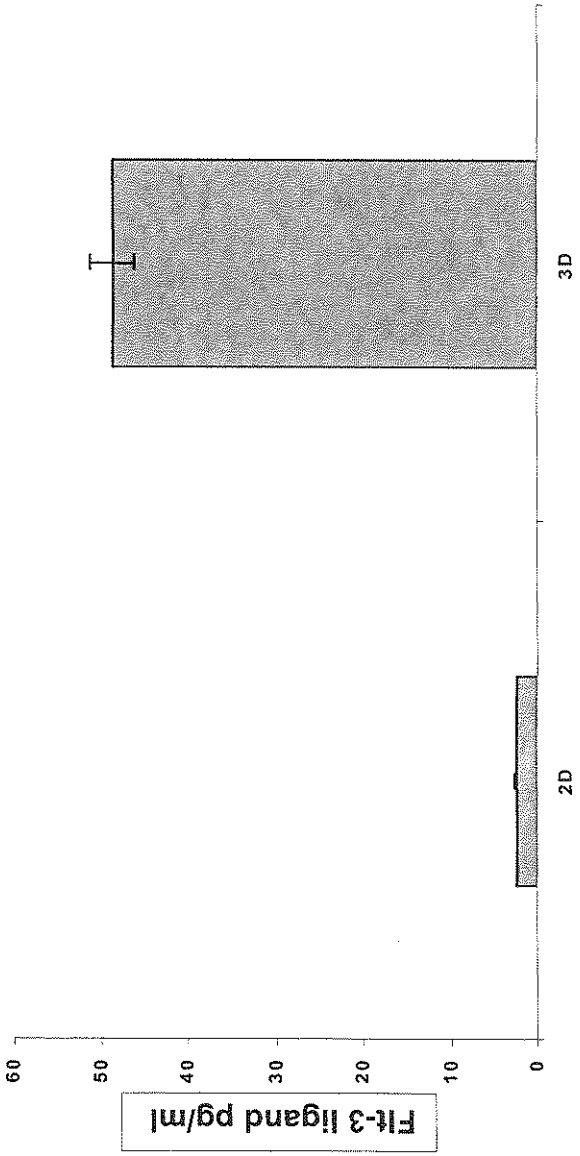


Fig. 4b

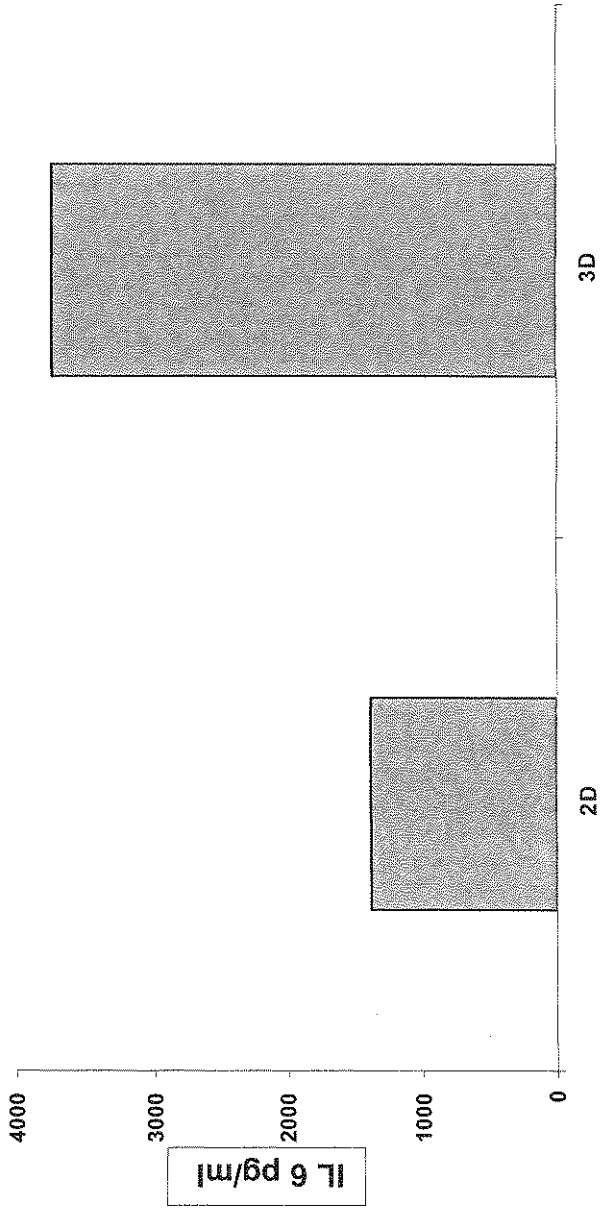


Fig. 4c

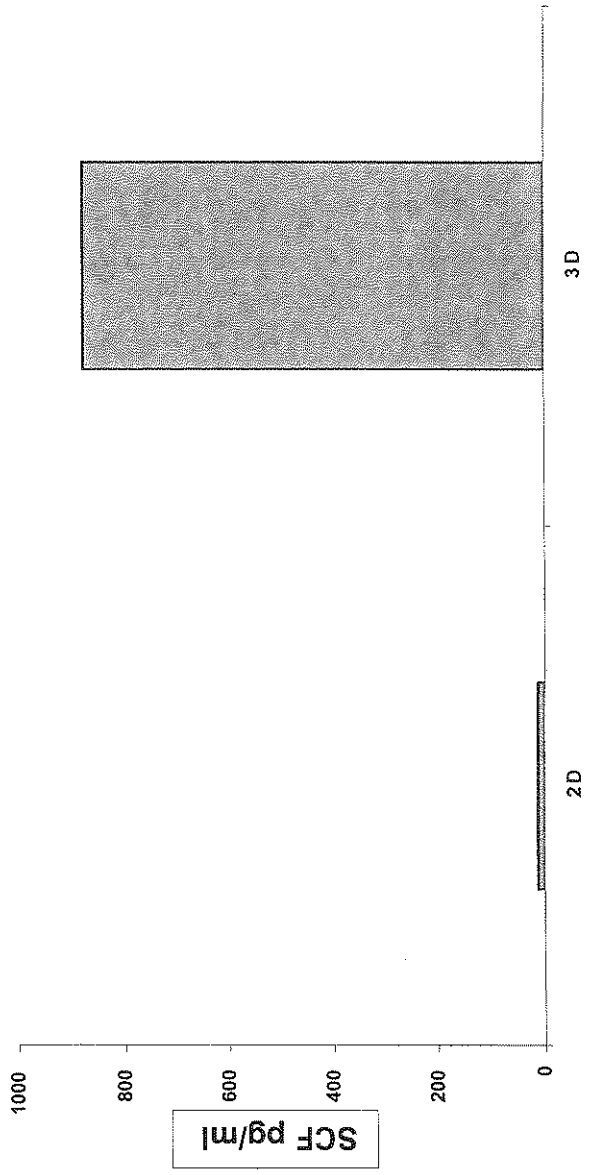
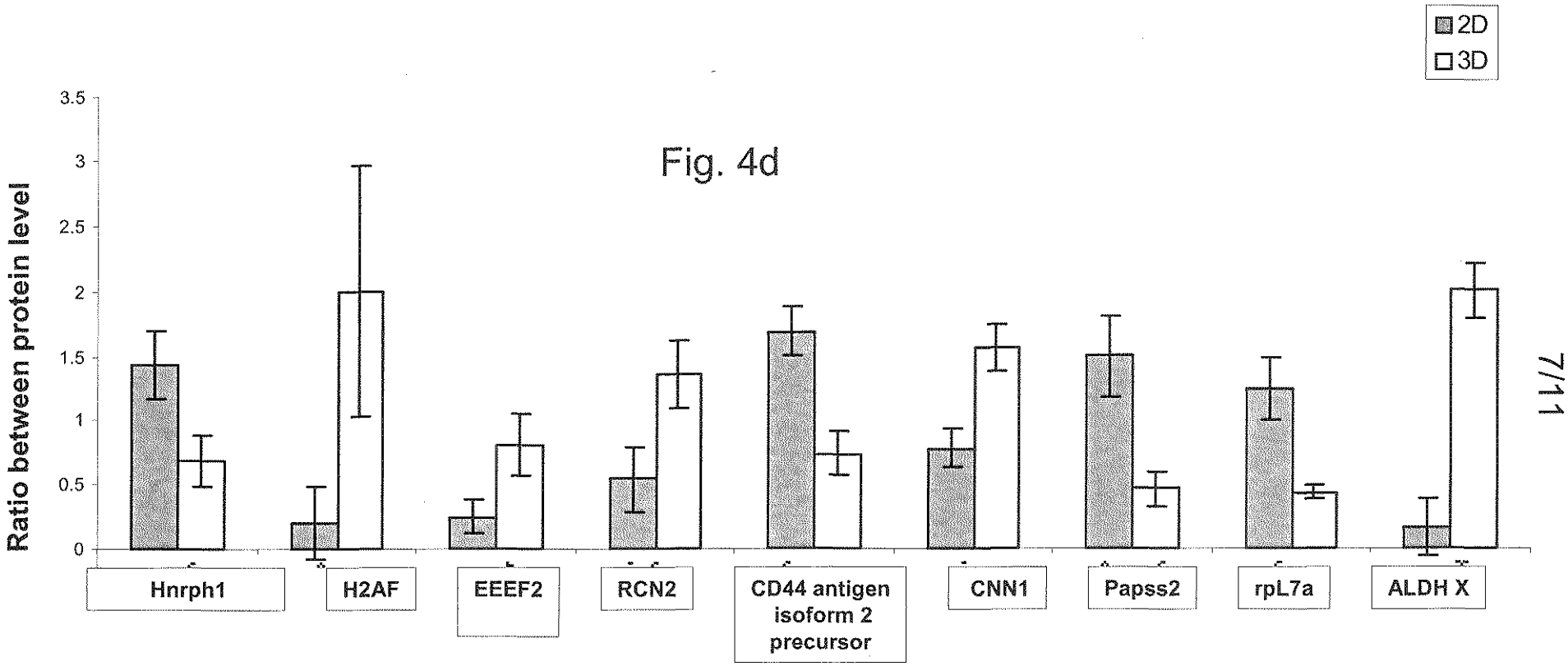
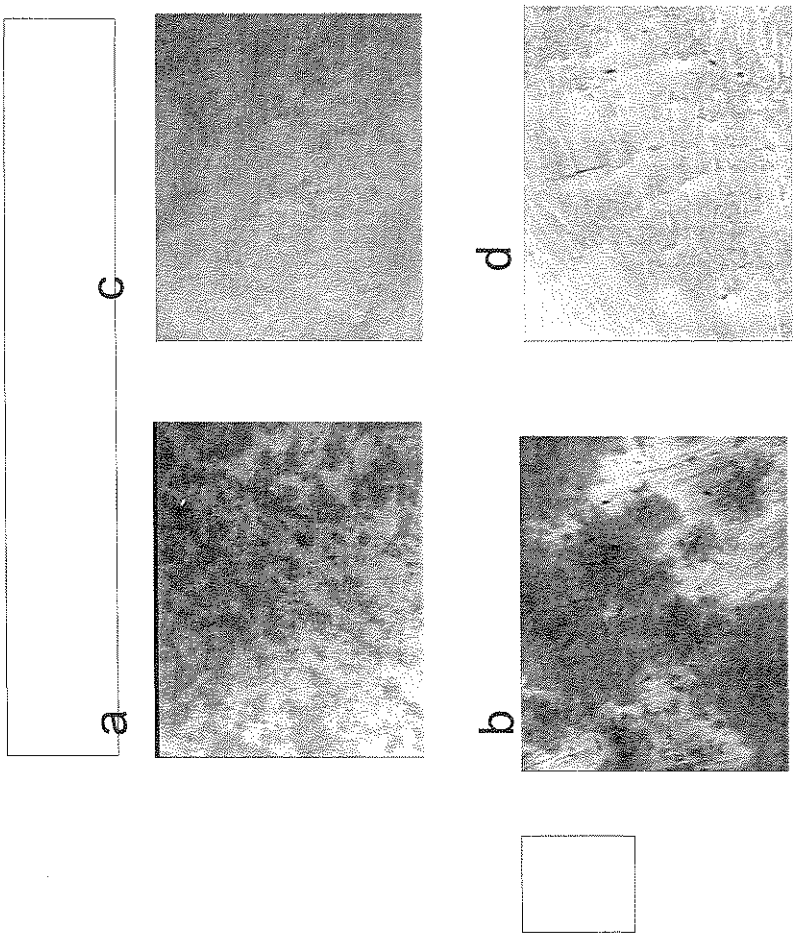


Fig. 4d


2D
3D
Ratio between protein level
3.5
3
2.5
2
1.5
1
0.5
0
Hnrph1
H2AF
EEEF2
RCN2
CD44 antigen isoform 2 precursor
CNN1
Papss2
rpL7a
ALDH X

Figs. 5a-d



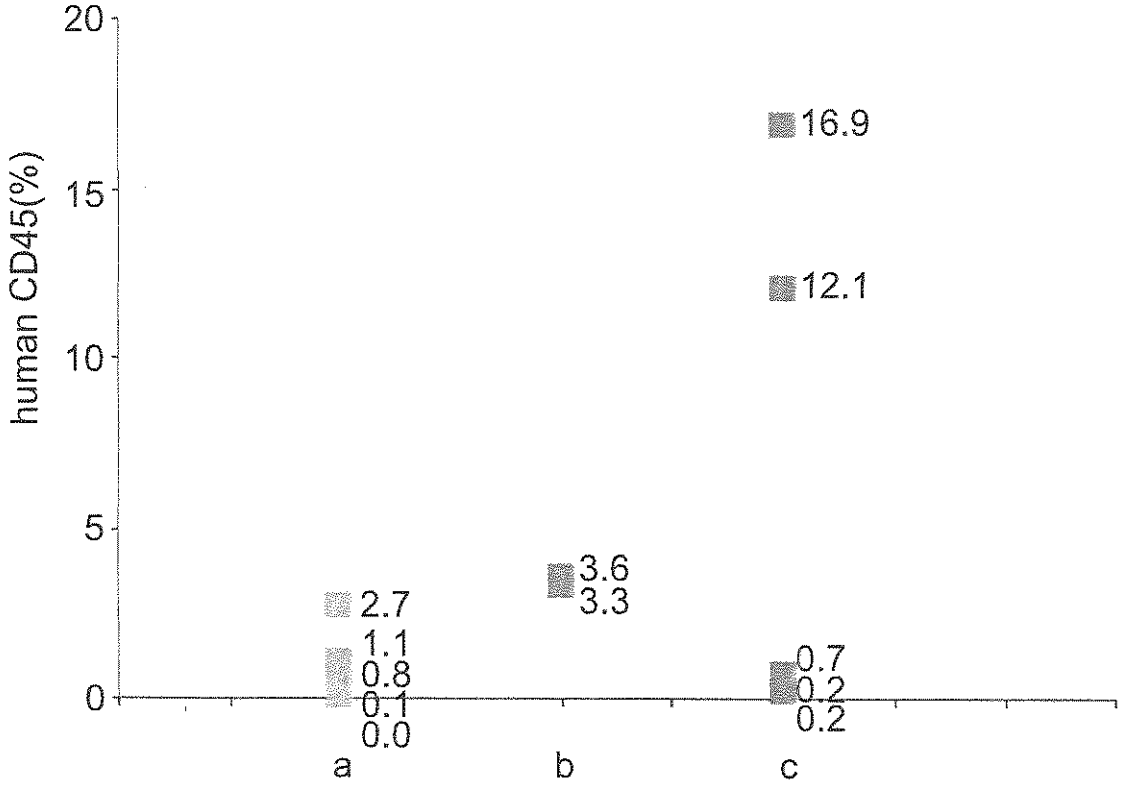
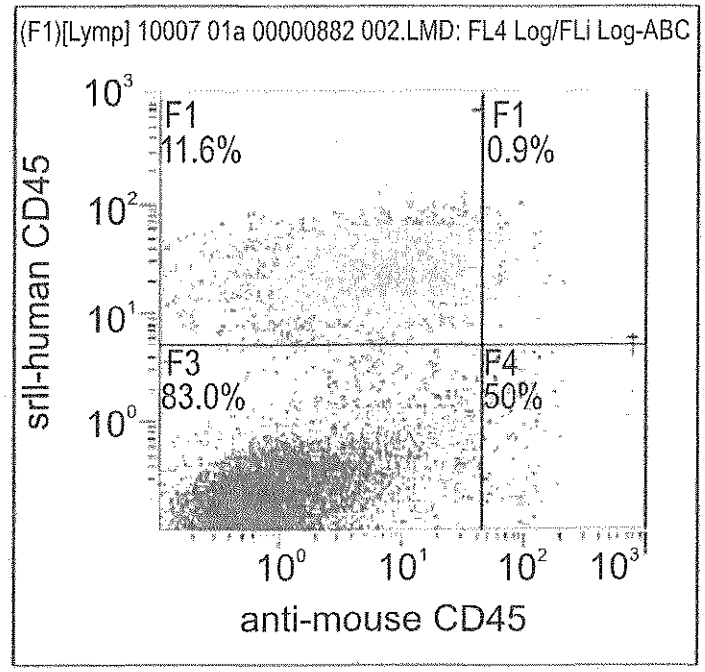
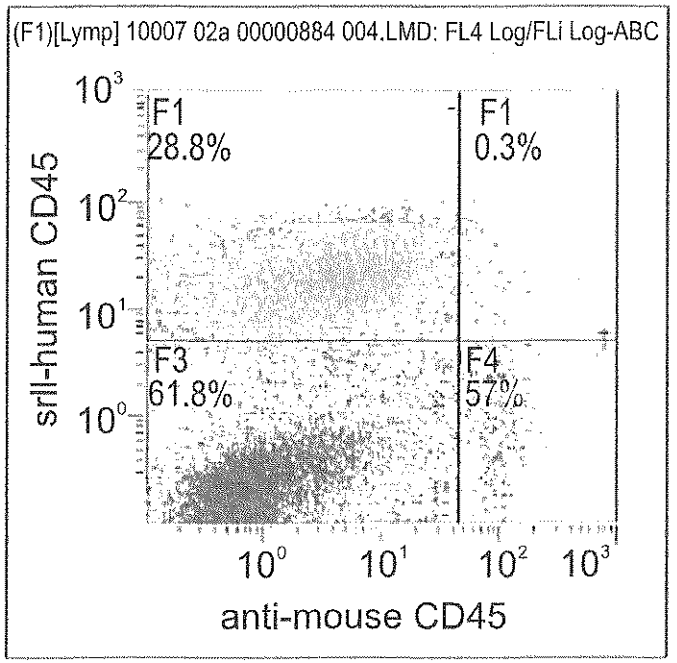
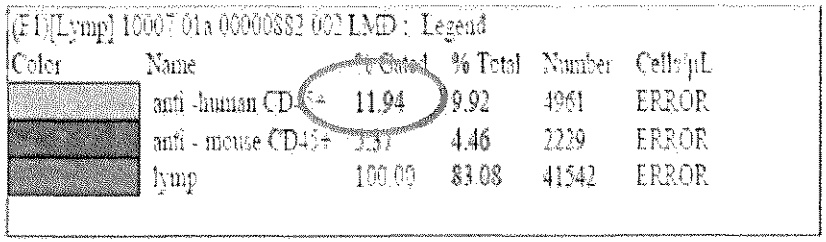
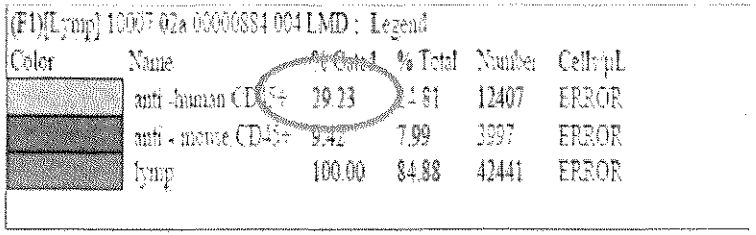


Fig. 6







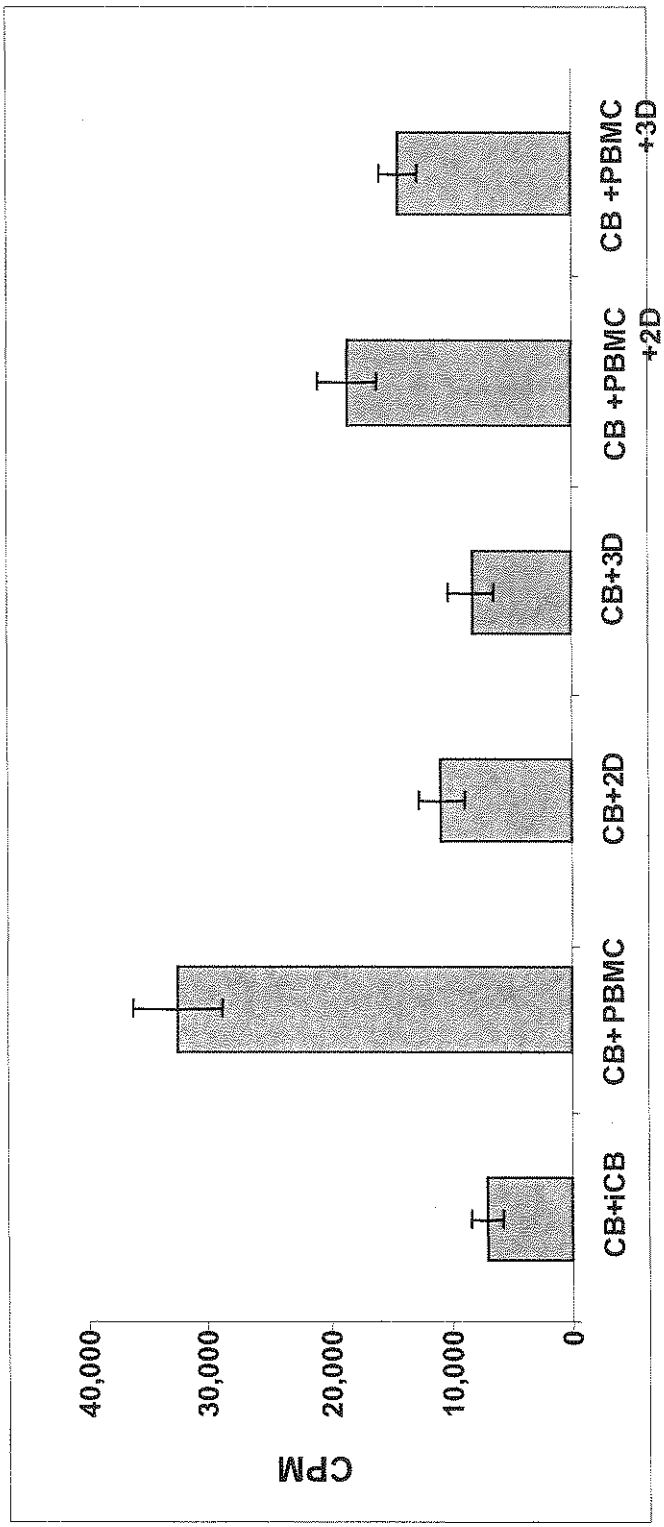


Human CD45+ (%)
Mouse CD45+ (%)

Fig. 7a

Fig. 7b

Fig. 8


CPM
40,000
30,000
20,000
10,000
0
CB+CB
CB+PBMC
CB+2D
CB+3D
CB +PBMC +2D
CB +PBMC +3D

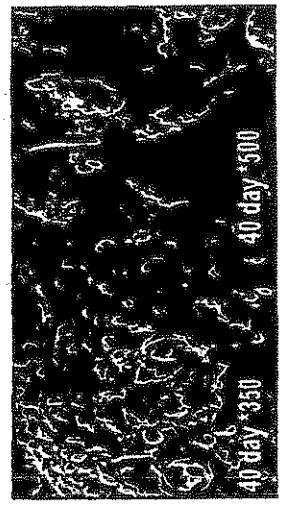


Fig. 1e

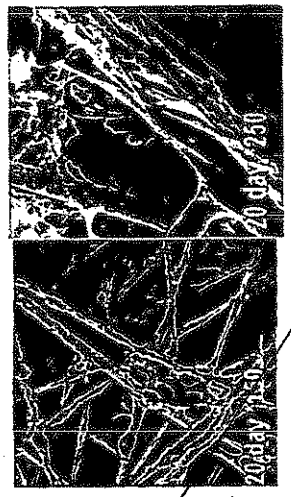


Fig. 1d



Fig. 1c

Fig. 1b

Fig. 1f

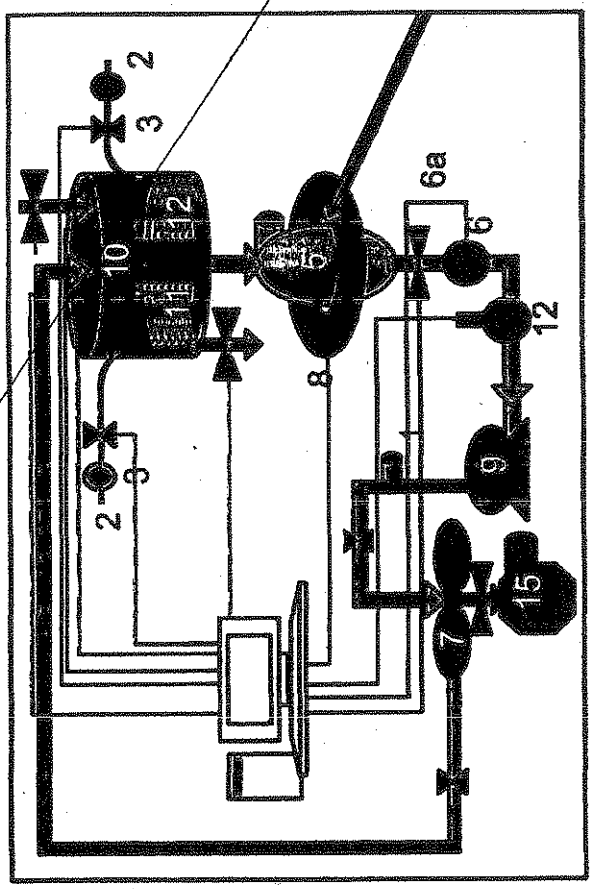
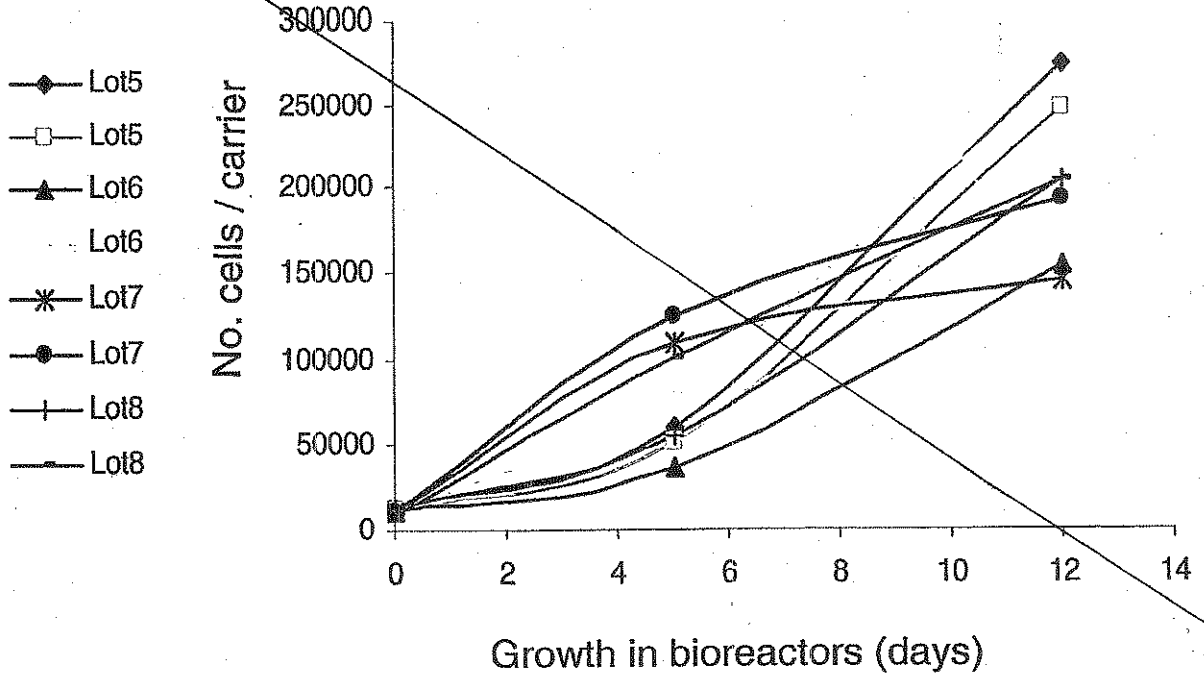
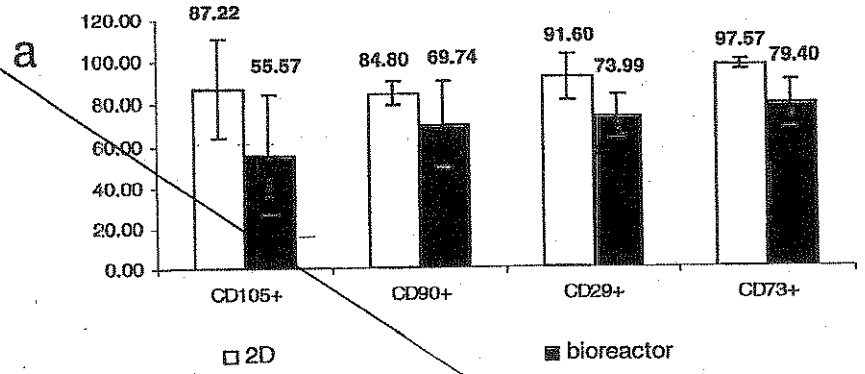


Fig. 1g

Fig. 2


Lot5
Lot5
Lot6
Lot6
Lot7
Lot7
Lot8
Lot8
No. cells / carrier
300000
250000
200000
150000
100000
50000
0
0
2
4
6
8
10
12
14
Growth in bioreactors (days)

Figs. 3a-b


a
120.00
100.00
80.00
60.00
40.00
20.00
0.00
87.22
55.57
84.80
69.74
91.60
73.99
97.57
79.40
CD105+
CD90+
CD29+
CD73+
2D
bioreactor

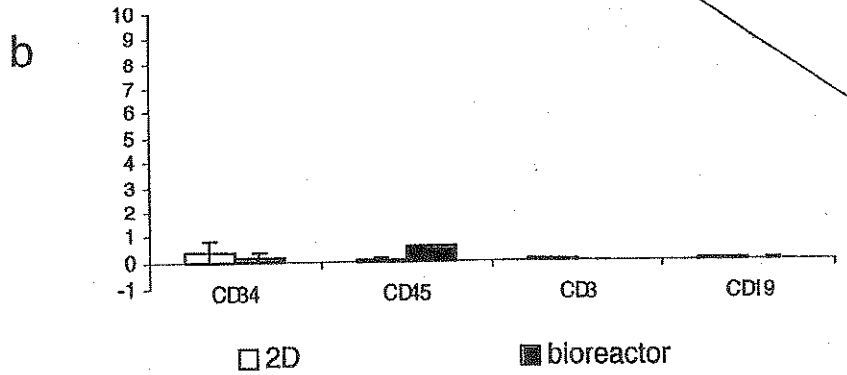
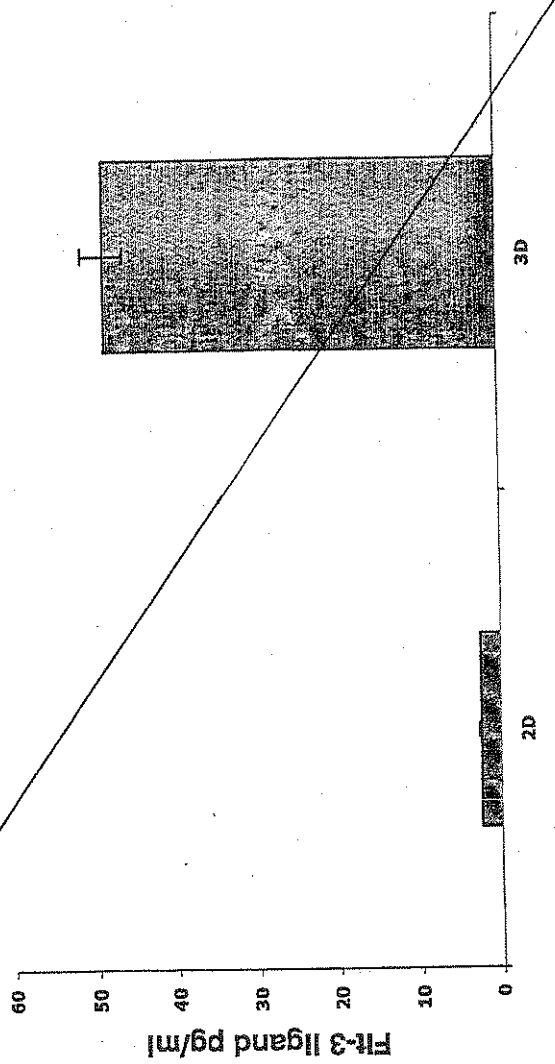

b
10
9
8
7
6
5
4
3
2
1
0
-1
CD34
CD45
CD3
CD19
2D
bioreactor

Fig. 4a



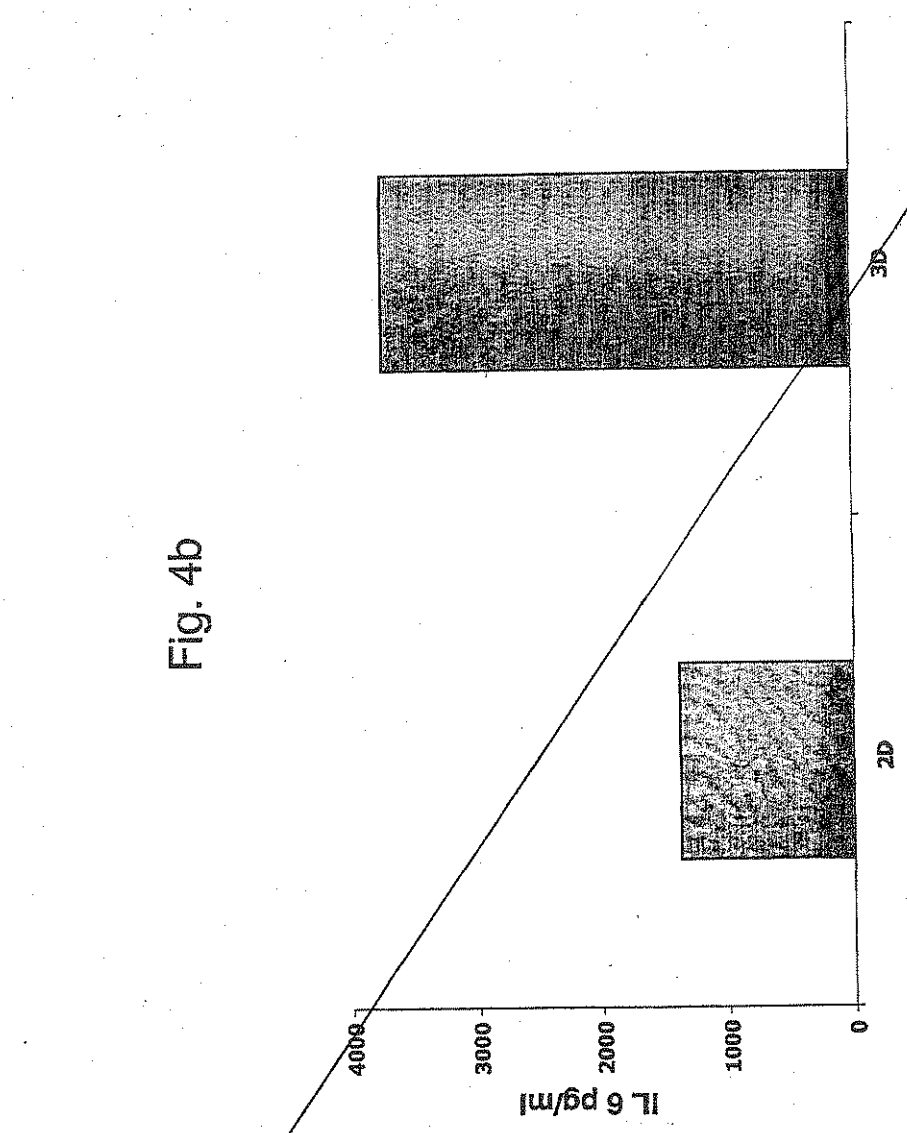


Fig. 4b

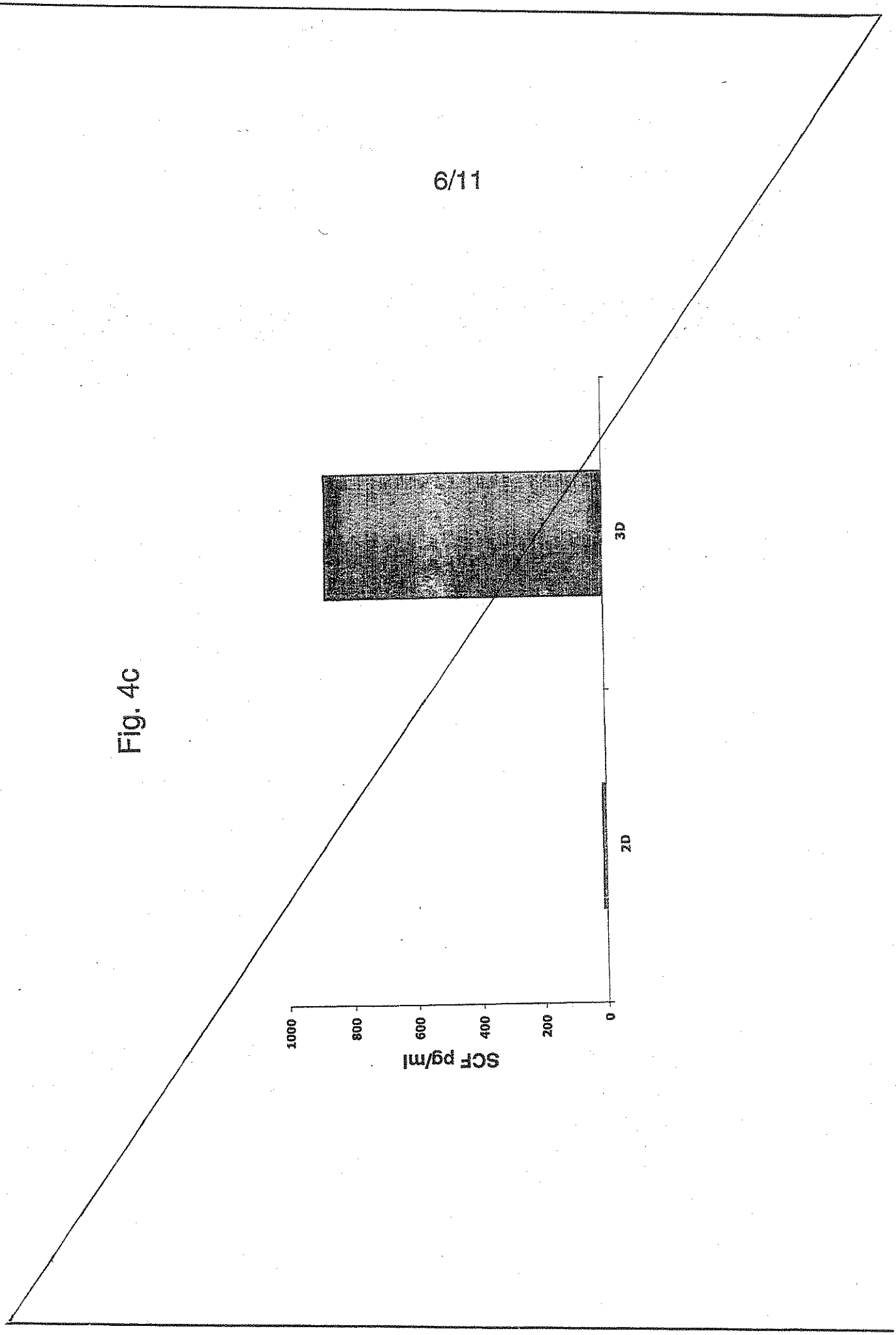
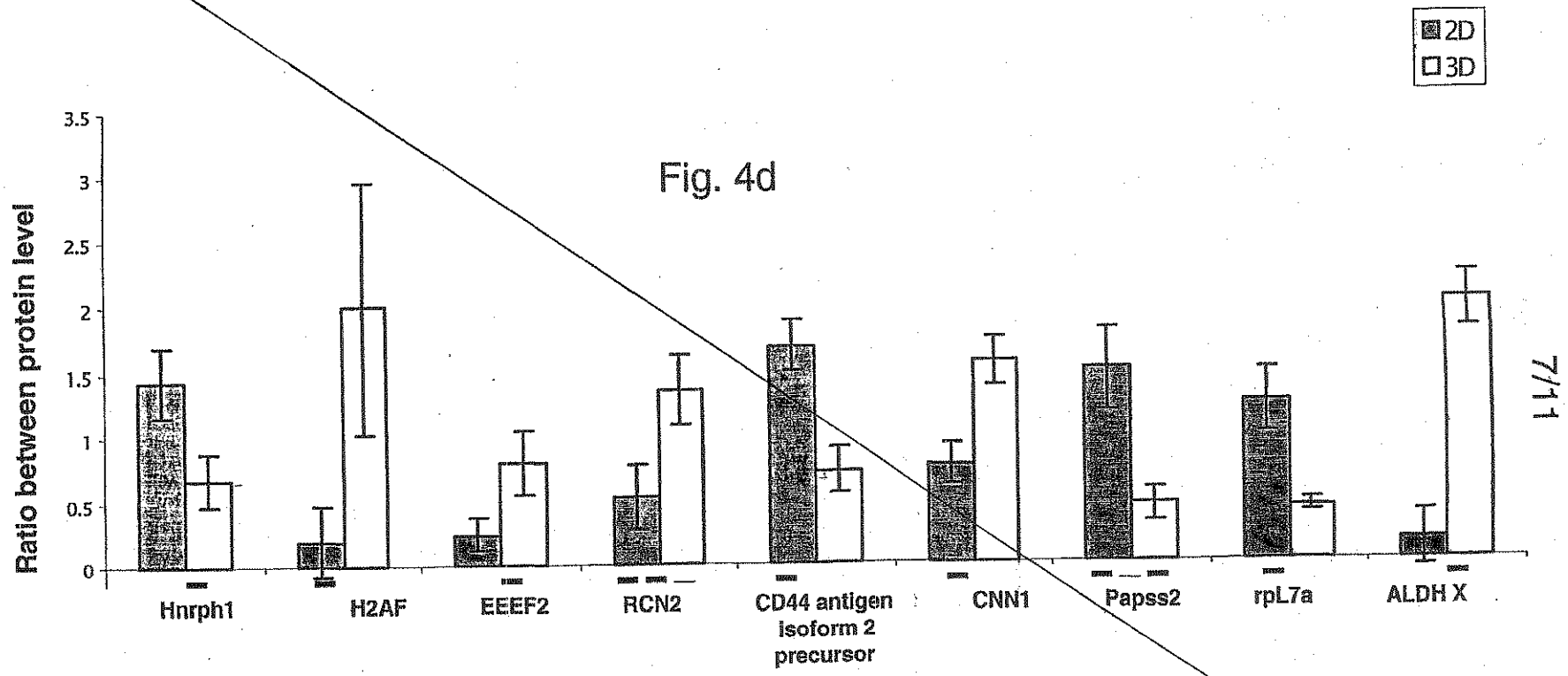


Fig. 4c

Fig. 4d


2D
3D
Ratio between protein level
3.5
3
2.5
2
1.5
1
0.5
0
Hnrph1
H2AF
EEEF2
RCN2
CD44 antigen isoform 2 precursor
CNN1
Papss2
rpL7a
ALDH X

Figs. 5a-d

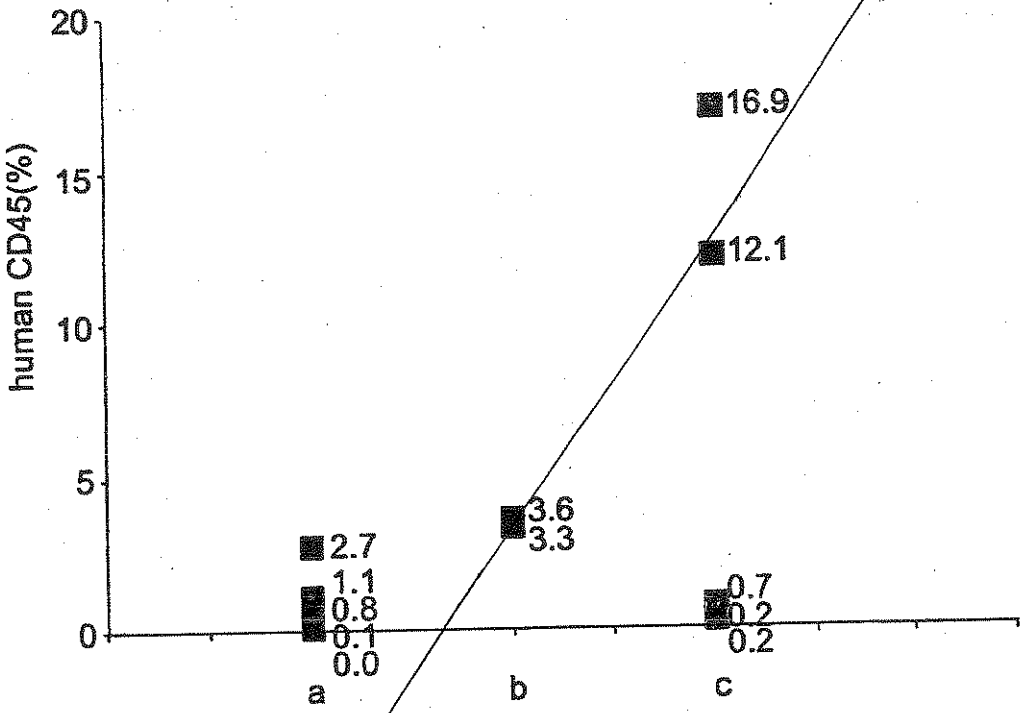
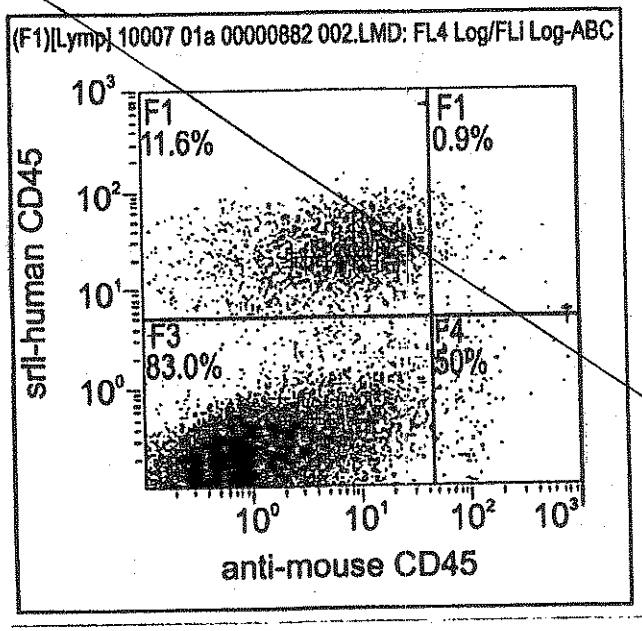
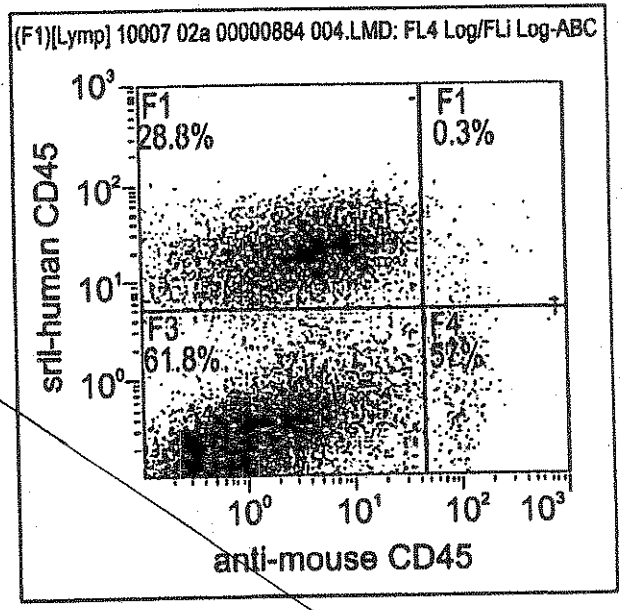


Fig. 6

SUBSTITUTE SHEET (RULE 26)





(F1)[Lymp] 10007 01a 00000882 002.LMD : Legend

Color	Name	% Gated	% Total	Number	Cells/µL
	anti -human CD45+	11.94	9.92	4961	ERROR
	anti - mouse CD45+	5.37	4.46	2229	ERROR
	lymp	100.00	83.08	41542	ERROR

Fig. 7a

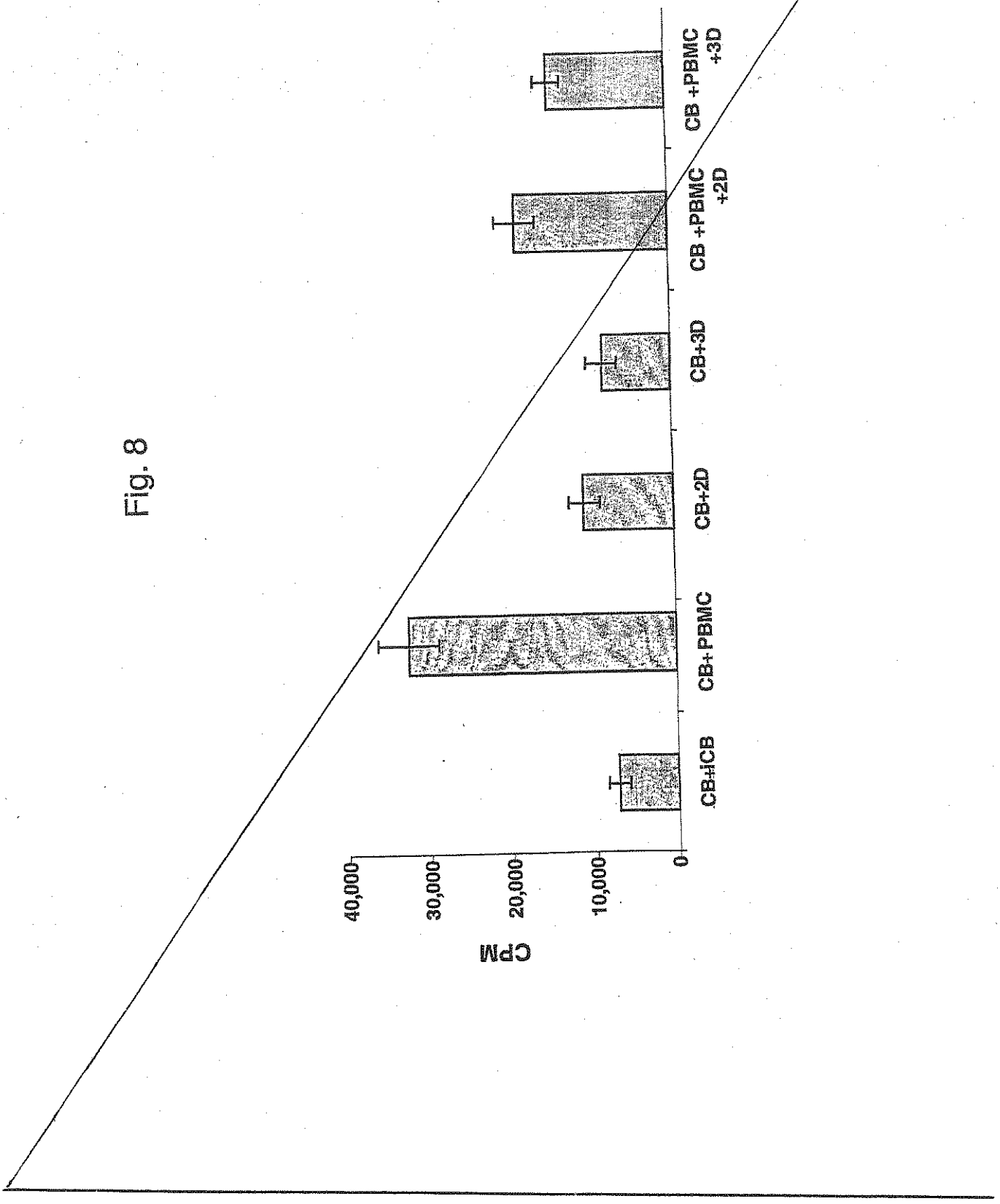
(F1)[Lymp] 10007 02a 00000884 004.LMD : Legend

Color	Name	% Gated	% Total	Number	Cells/µL
	anti -human CD45+	29.23	24.81	12407	ERROR
	anti - mouse CD45+	9.42	7.99	3997	ERROR
	lymp	100.00	84.88	42441	ERROR

Fig. 7b

Human CD45+ (%)
Mouse CD45+ (%)

Fig. 8


CPM
40,000
30,000
20,000
10,000
0
CB±CB
CB+ PBMC
CB+2D
CB+3D
CB +PBMC +2D
CB +PBMC +3D