Figure 1

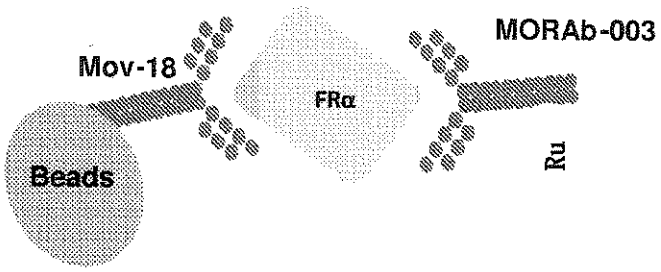


Figure 2

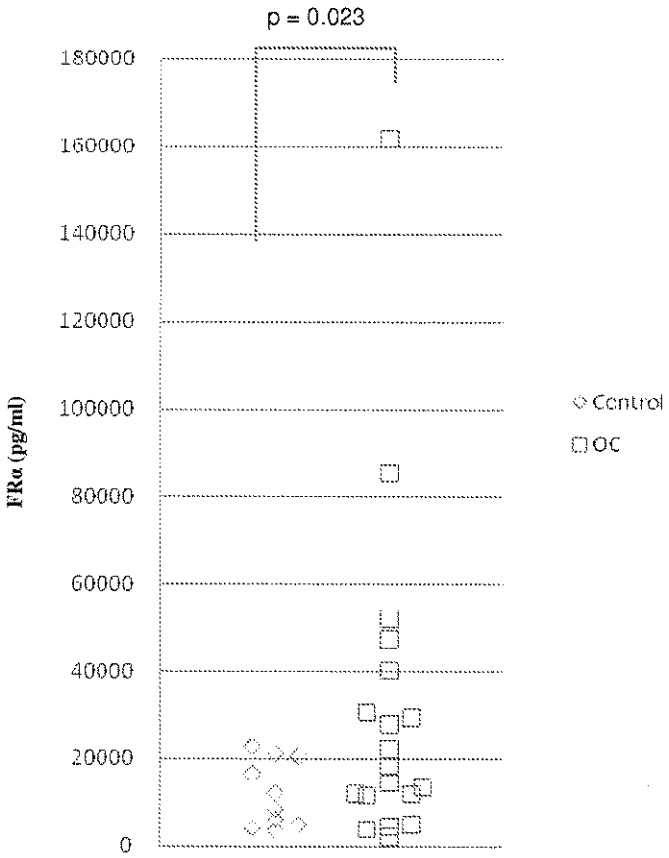

p = 0.023
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
FRα (pg/ml)
Control
OC

Figure 3

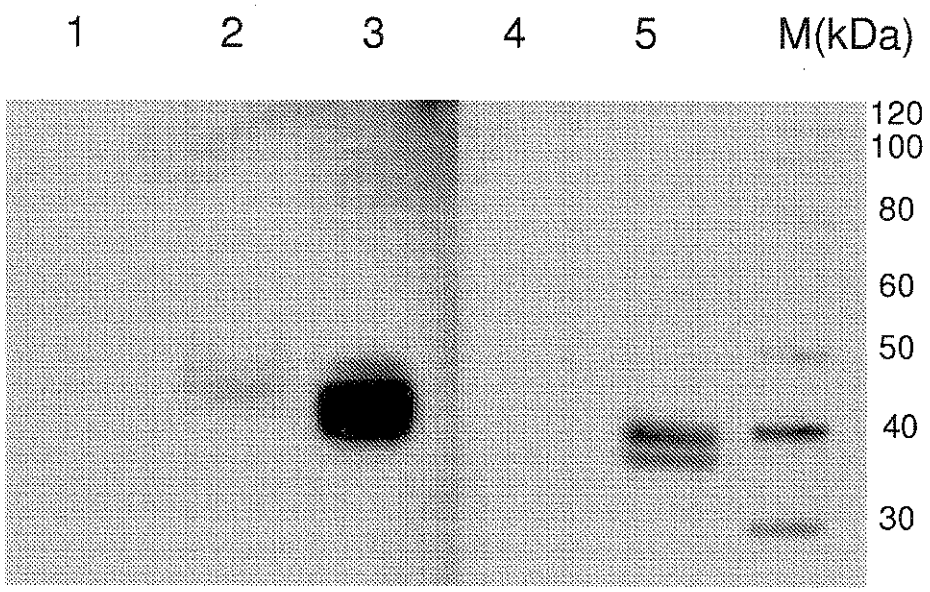


Figure 4

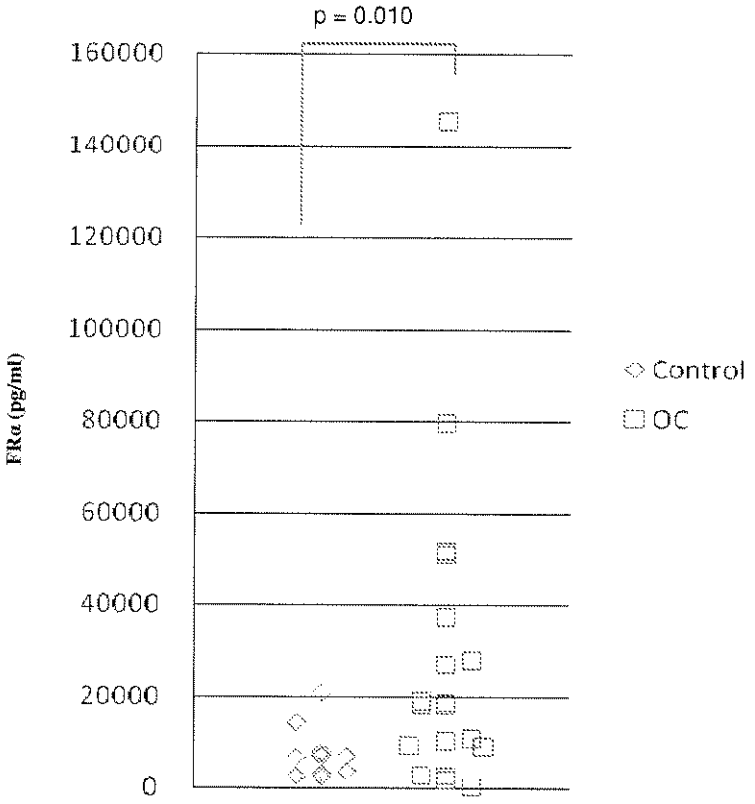
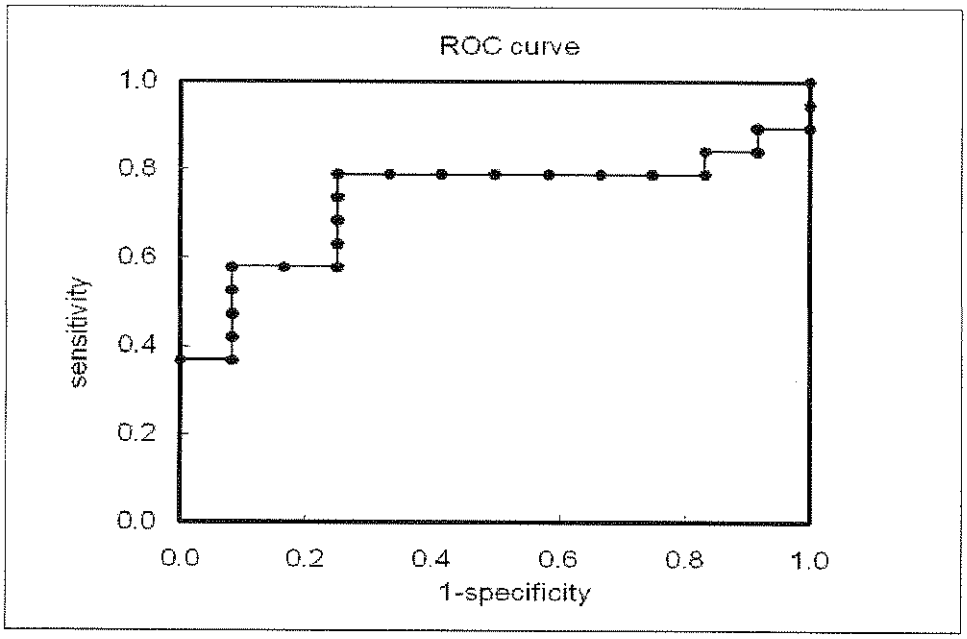

p = 0.010
160000
140000
120000
100000
80000
60000
40000
20000
0
FRα (pg/ml)
Control
OC

Figure 5



	FRα (pg/mL)
Cut off	9100

Figure 6

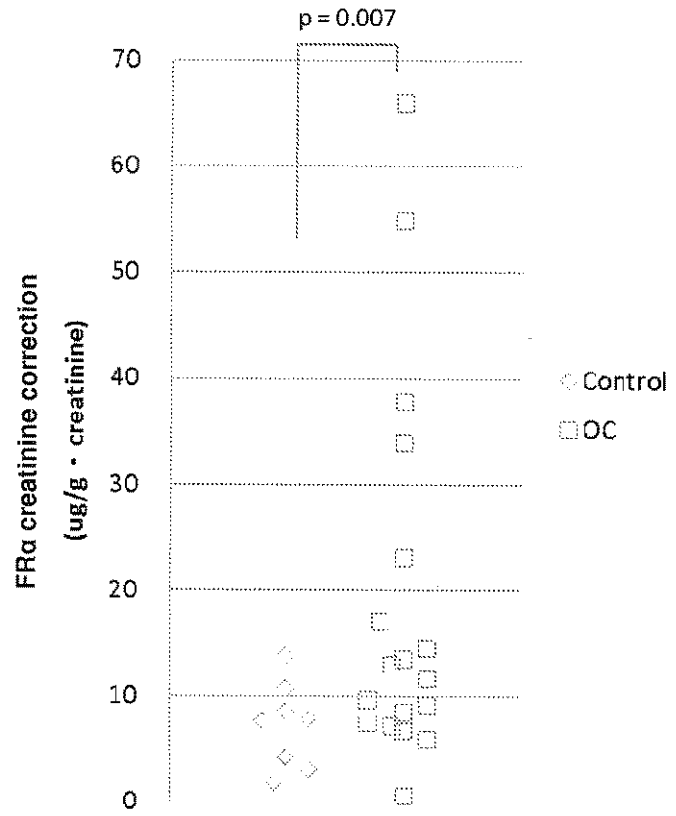


Fig. Distribution of FRα level revised by creatinine value in urine

Figure 7

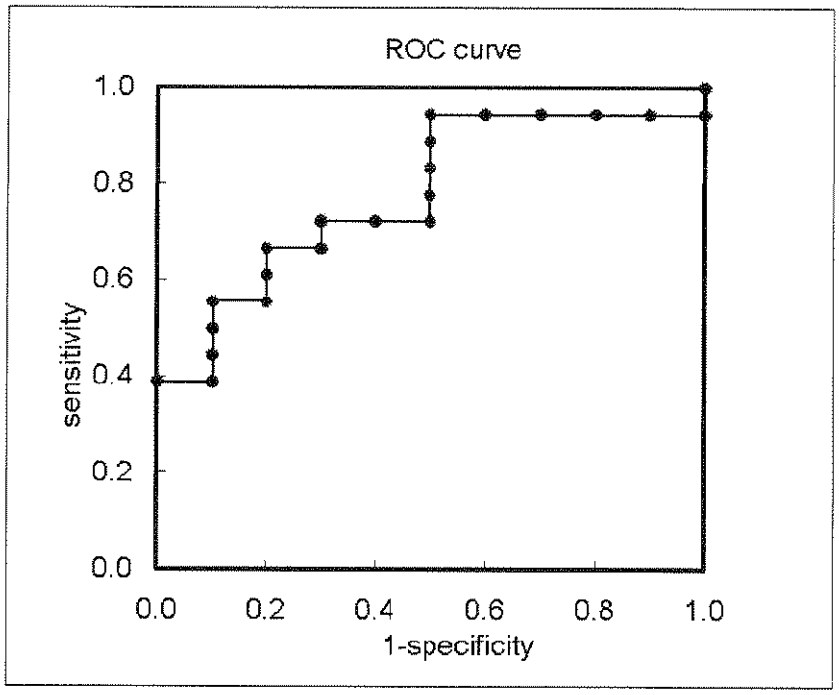

ROC curve
sensitivity
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1-specificity

Figure 8

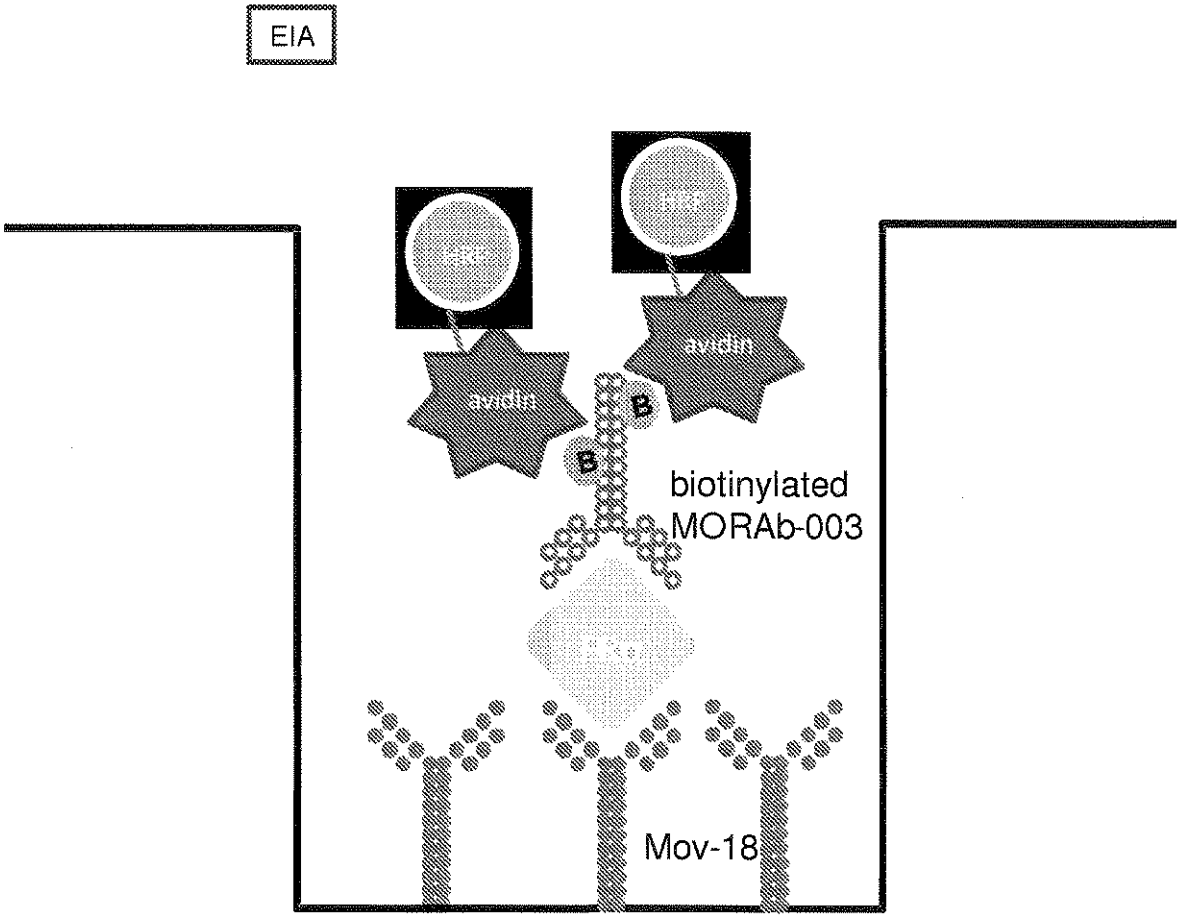
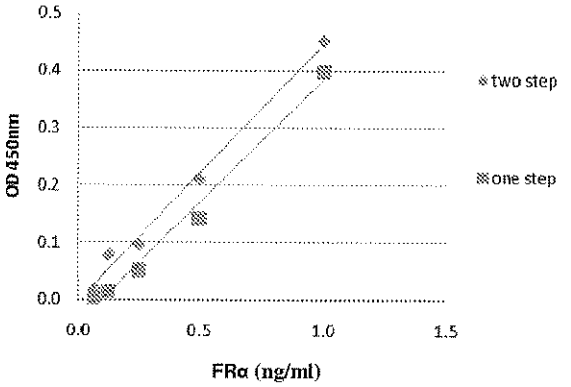


Figure 9



	Two Step	One Step
Normal serum No. 1-5	0.36pg/mL	0.01pg/mL

Figure 10

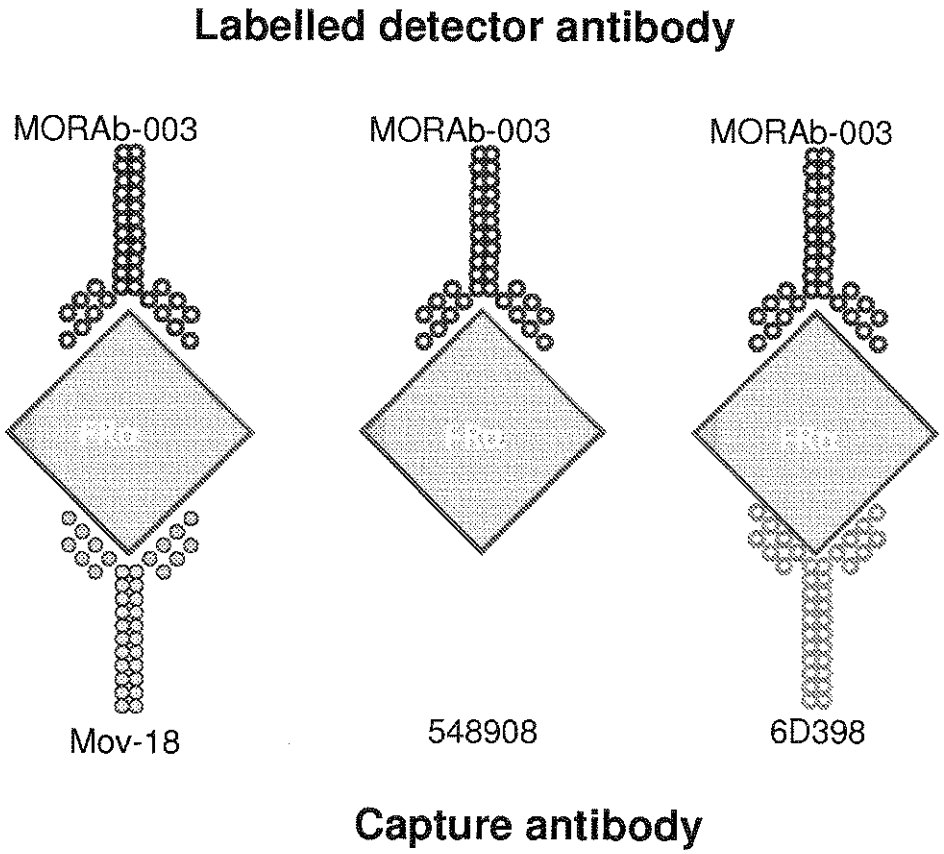

Labelled detector antibody
MORAb-003
MORAb-003
MORAb-003
Mov-18
548908
6D398
Capture antibody

Figure 11

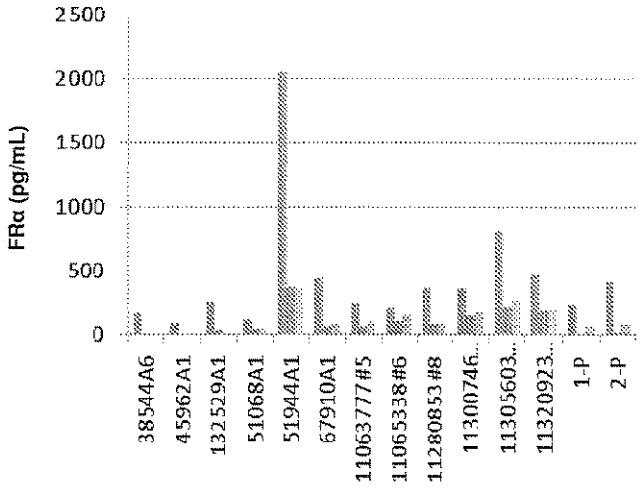

2500
2000
1500
1000
500
0
FRα (pg/mL)
38544A6
45962A1
132529A1
51068A1
51944A1
67910A1
11063777#5
11065338#6
11280853#8
11300746...
11305603...
11320923...
1-P
2-P

Figure 12

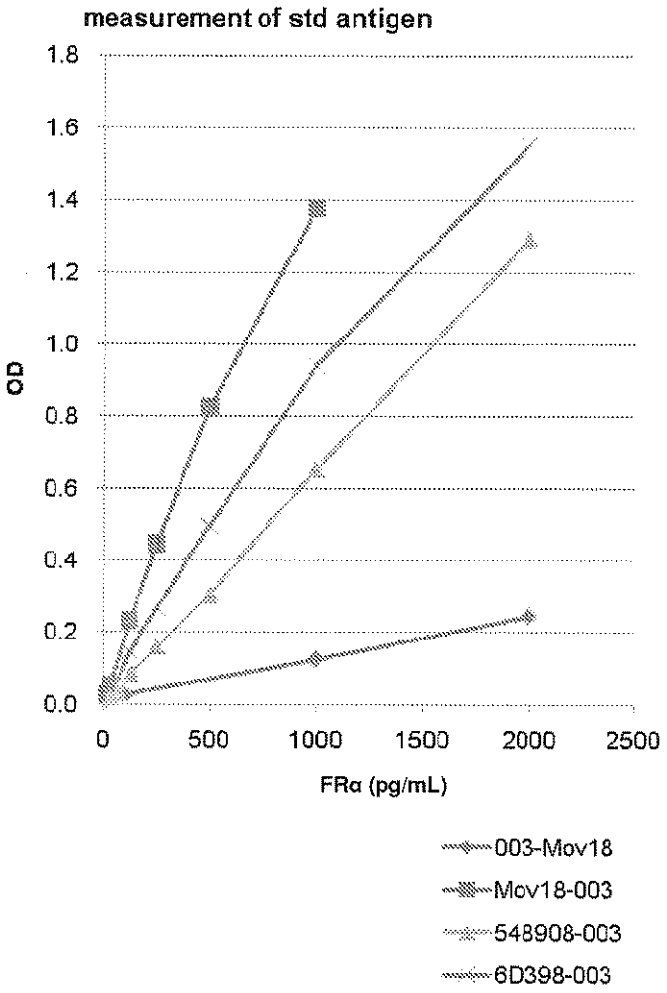

measurement of std antigen
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OD
0
500
1000
1500
2000
2500
FRα (pg/mL)
003-Mov18
Mov18-003
548908-003
6D398-003

Figure 13

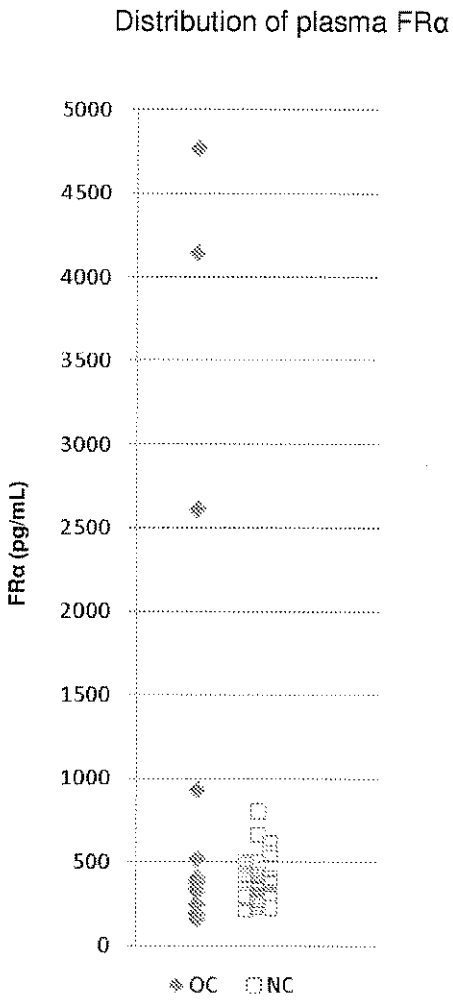

Distribution of plasma FRα
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
FRα (pg/mL)
OC
NC

Figure 14

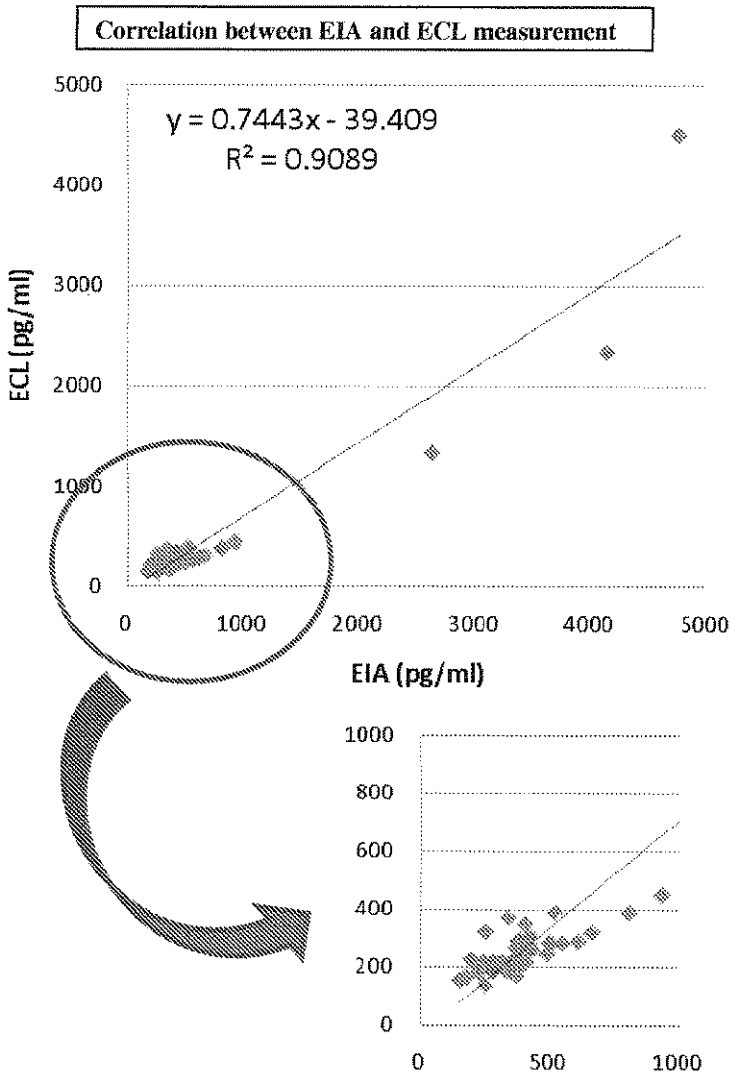
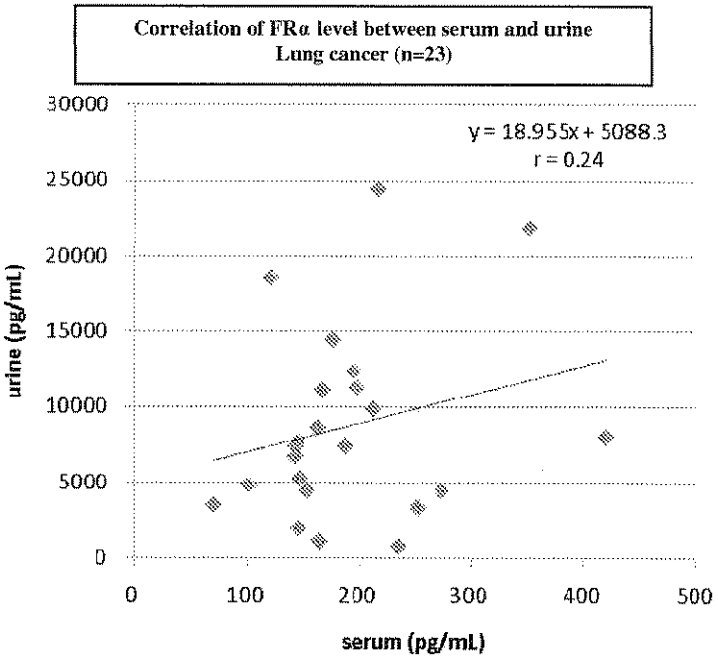

Correlation between EIA and ECL measurement
y = 0.7443x - 39.409
R² = 0.9089
ECL (pg/ml)
EIA (pg/ml)
5000
4000
3000
2000
1000
0
0
1000
2000
3000
4000
5000
1000
800
600
400
200
0
0
500
1000

Figure 15


Correlation of FRα level between serum and urine
Lung cancer (n=23)
y = 18.955x + 5088.3
r = 0.24
urine (pg/mL)
serum (pg/mL)
30000
25000
20000
15000
10000
5000
0
0
100
200
300
400
500

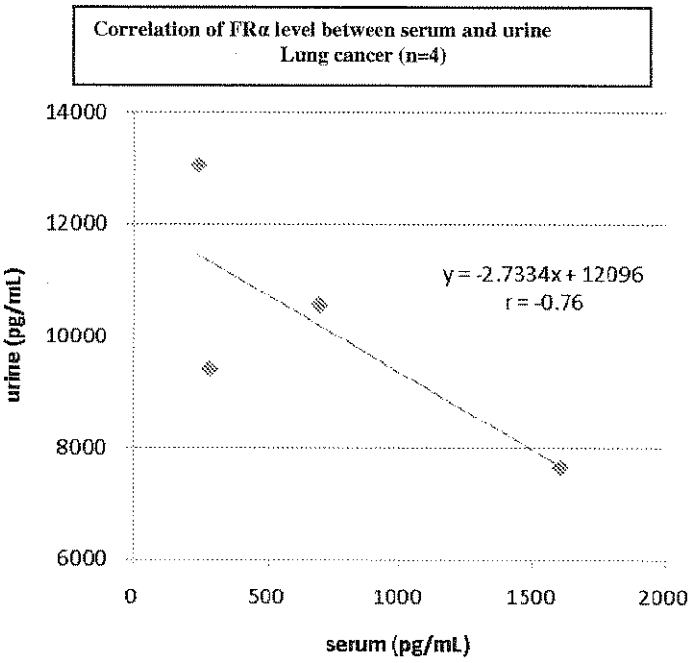

Correlation of FRα level between serum and urine
Lung cancer (n=4)
y = -2.7334x + 12096
r = -0.76
urine (pg/mL)
serum (pg/mL)
14000
12000
10000
8000
6000
0
500
1000
1500
2000

Figure 16

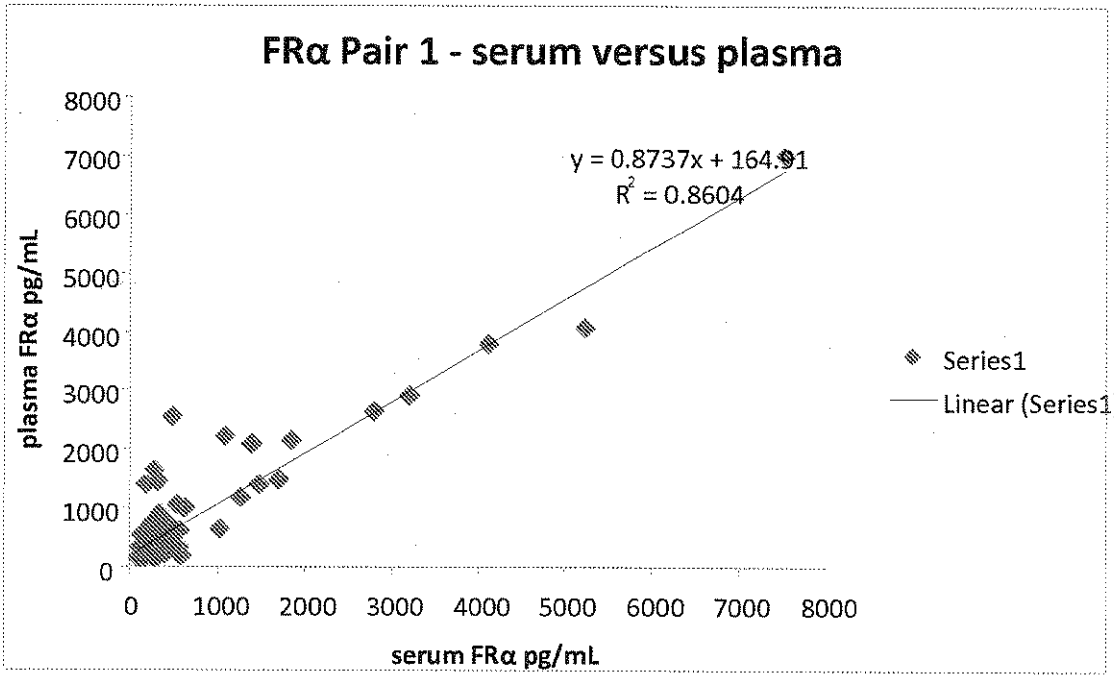

FRα Pair 1 - serum versus plasma
y = 0.8737x + 164.91
R² = 0.8604
plasma FRα pg/mL
serum FRα pg/mL
0
1000
2000
3000
4000
5000
6000
7000
8000
Series1
Linear (Series1)

Figure 17

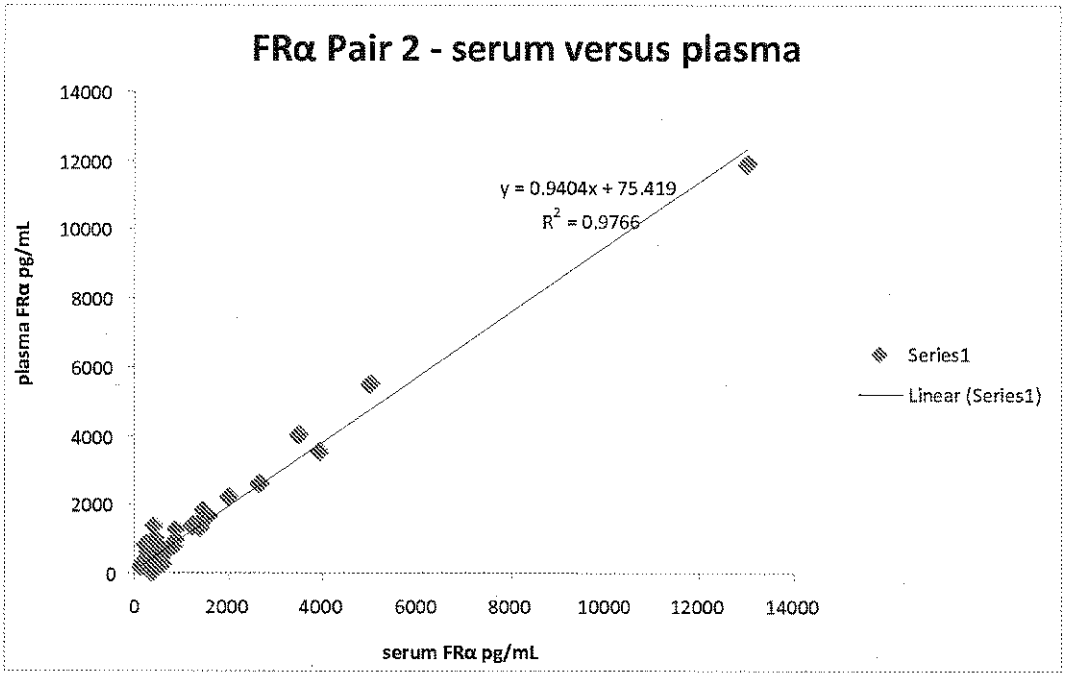

FRα Pair 2 - serum versus plasma
plasma FRα pg/mL
serum FRα pg/mL
y = 0.9404x + 75.419
R2 = 0.9766
Series1
Linear (Series1)
0
2000
4000
6000
8000
10000
12000
14000

Figure 18

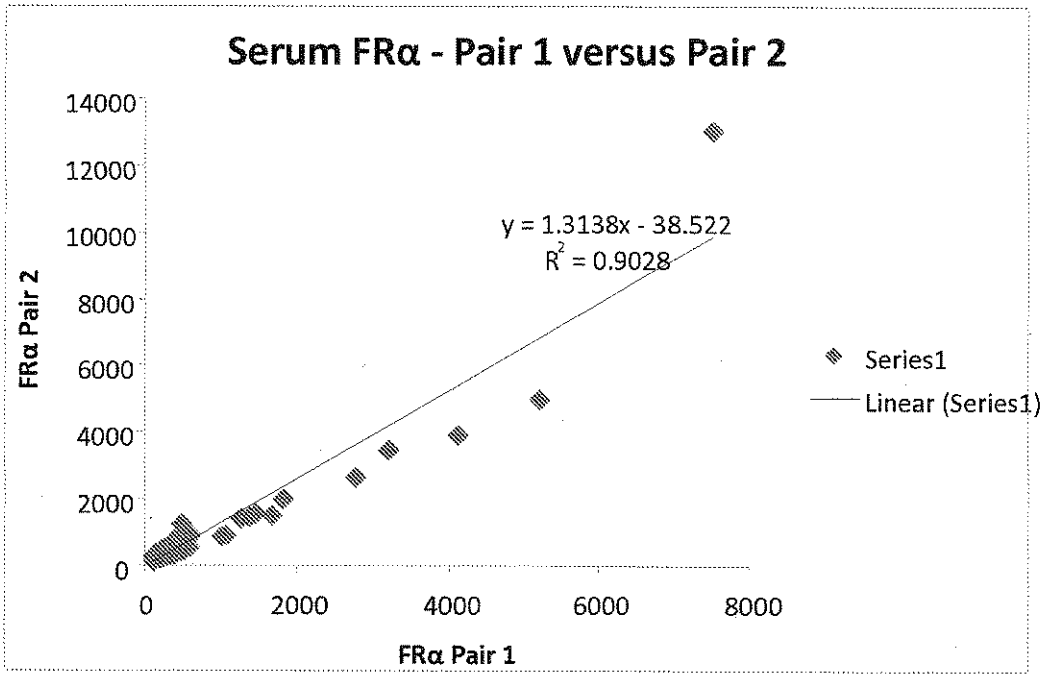

Serum FRα - Pair 1 versus Pair 2
14000
12000
10000
8000
6000
4000
2000
0
FRα Pair 2
y = 1.3138x - 38.522
R² = 0.9028
Series1
Linear (Series1)
0
2000
4000
6000
8000
FRα Pair 1

Figure 19

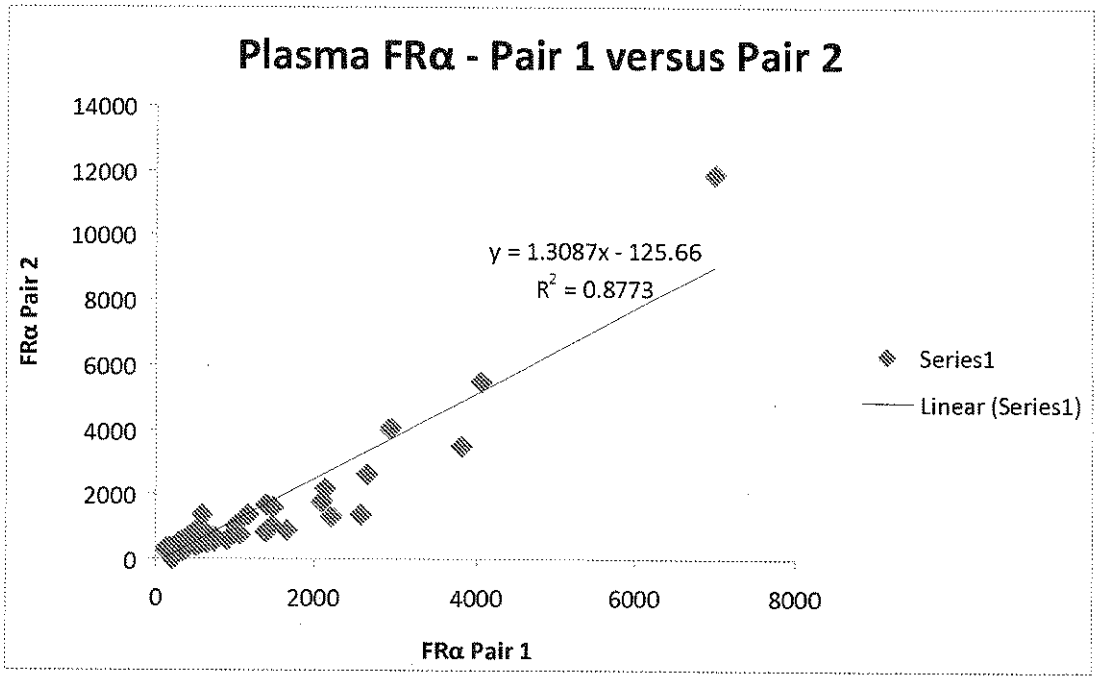
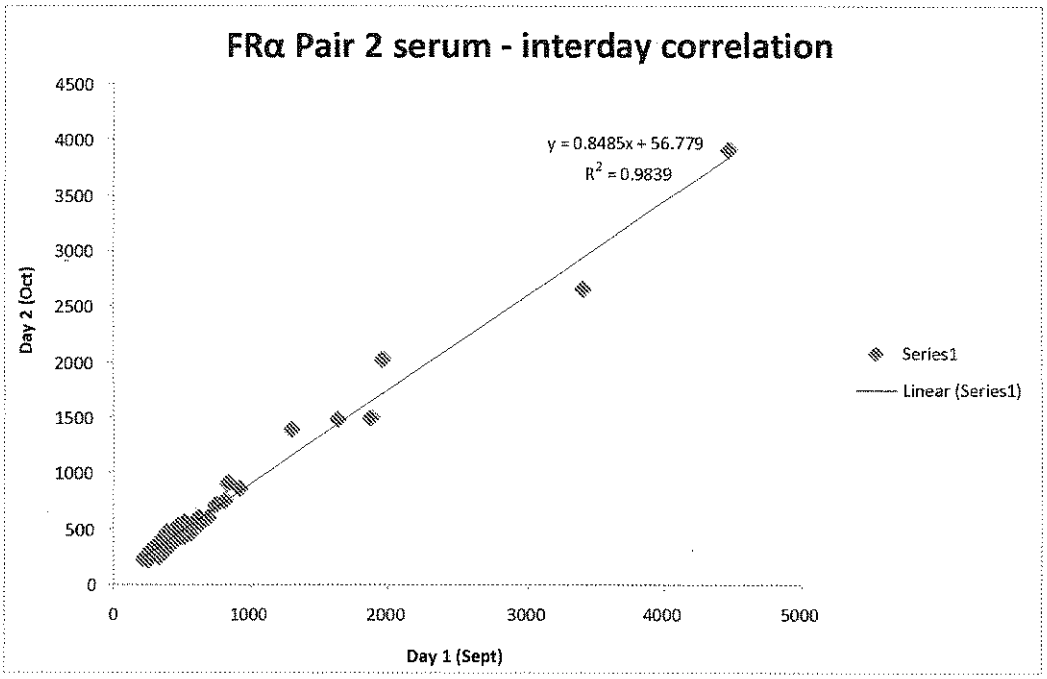

Plasma FRα - Pair 1 versus Pair 2
14000
12000
10000
8000
6000
4000
2000
0
FRα Pair 2
y = 1.3087x - 125.66
R² = 0.8773
Series1
Linear (Series1)
0
2000
4000
6000
8000
FRα Pair 1

Figure 20


FRα Pair 2 serum - interday correlation
y = 0.8485x + 56.779
R2 = 0.9839
Day 2 (Oct)
Day 1 (Sept)
Series1
Linear (Series1)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
0
1000
2000
3000
4000
5000