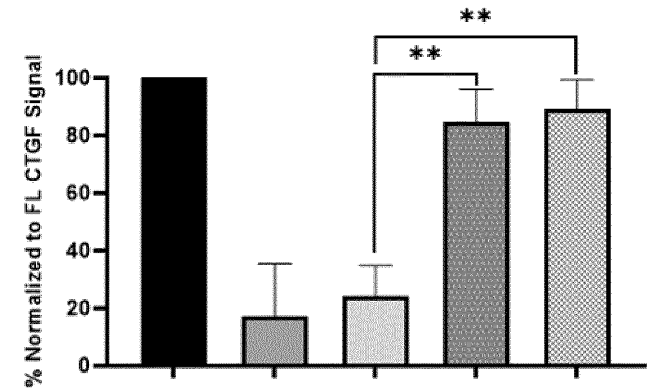
FIG. 1



Antibody	-	-	Isotype	A97	F1
MMP7	-	+	+	+	+

FIG. 2A

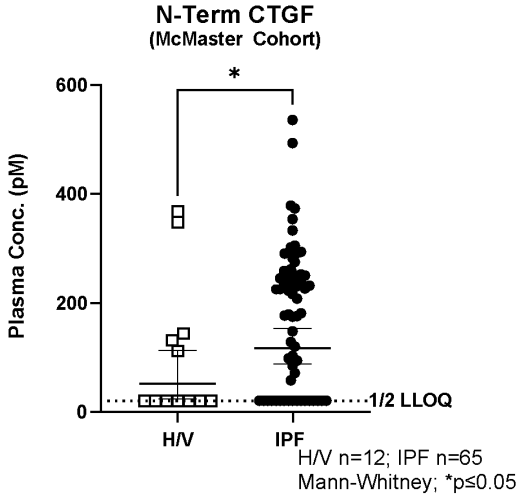


FIG. 2B

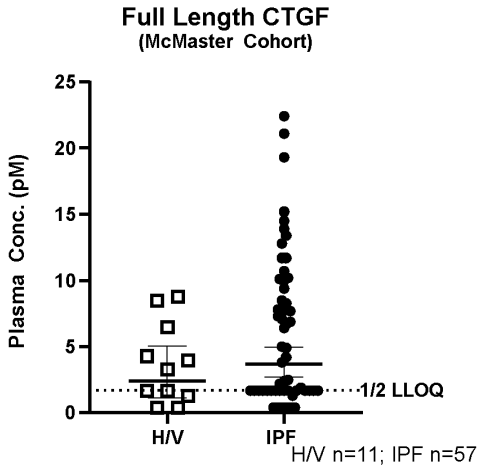

Full Length CTGF
(McMaster Cohort)
Plasma Conc. (pM)
25
20
15
10
5
0
1/2 LLOQ
H/V
IPF
H/V n=11; IPF n=57

FIG. 3

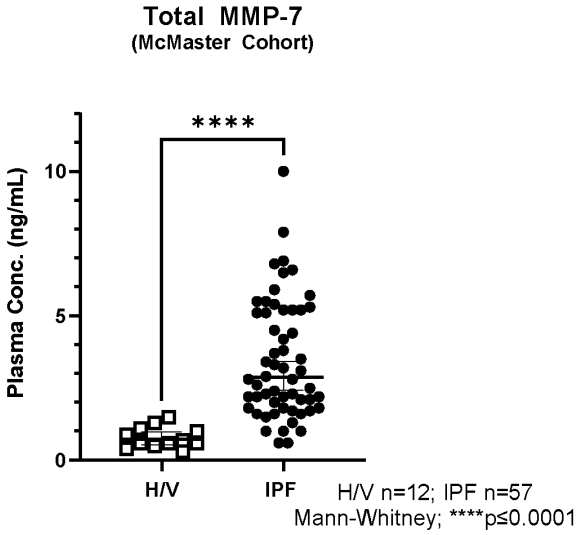

Total MMP-7
(McMaster Cohort)
****
Plasma Conc. (ng/mL)
10
5
0
H/V
IPF
H/V n=12; IPF n=57
Mann-Whitney; ****p≤0.0001

FIG. 4A

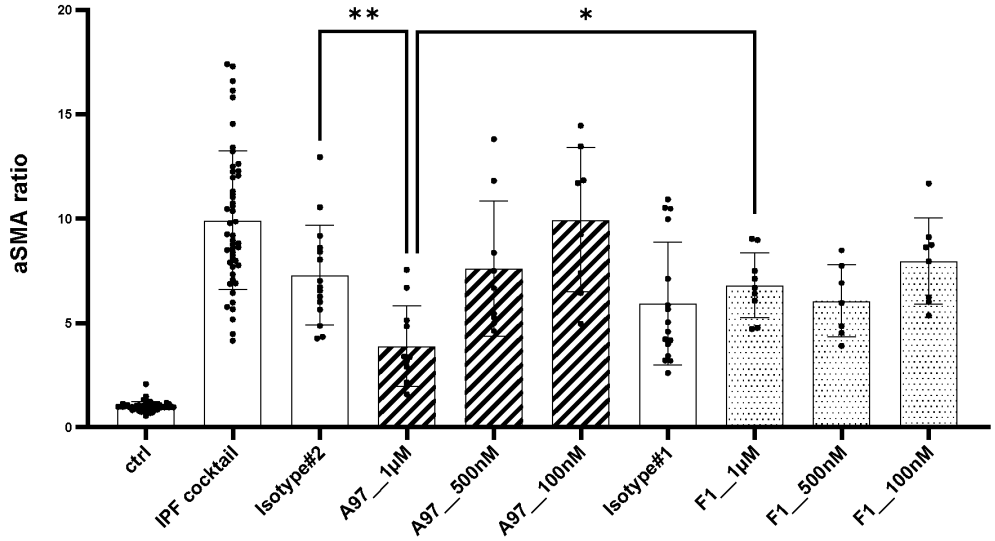

aSMA ratio
20
15
10
5
0
**
*
ctrl
IPF cocktail
Isotype#2
A97__1µM
A97__500nM
A97__100nM
Isotype#1
F1__1µM
F1__500nM
F1__100nM

FIG. 4B

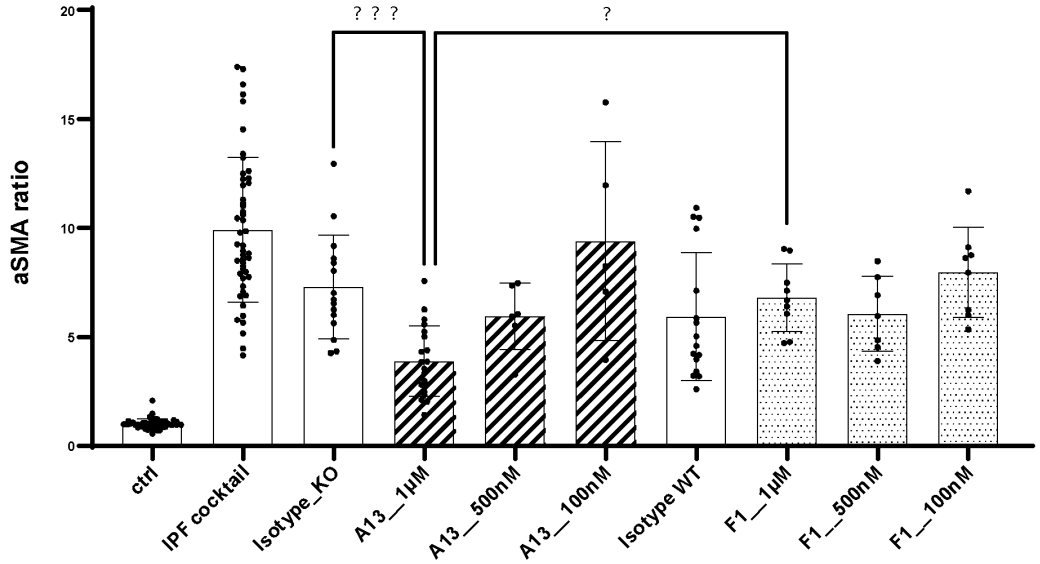

aSMA ratio
20
15
10
5
0
? ? ?
?
ctrl
IPF cocktail
Isotype_KO
A13__1µM
A13__500nM
A13__100nM
Isotype WT
F1__1µM
F1__500nM
F1__100nM

FIG. 5.

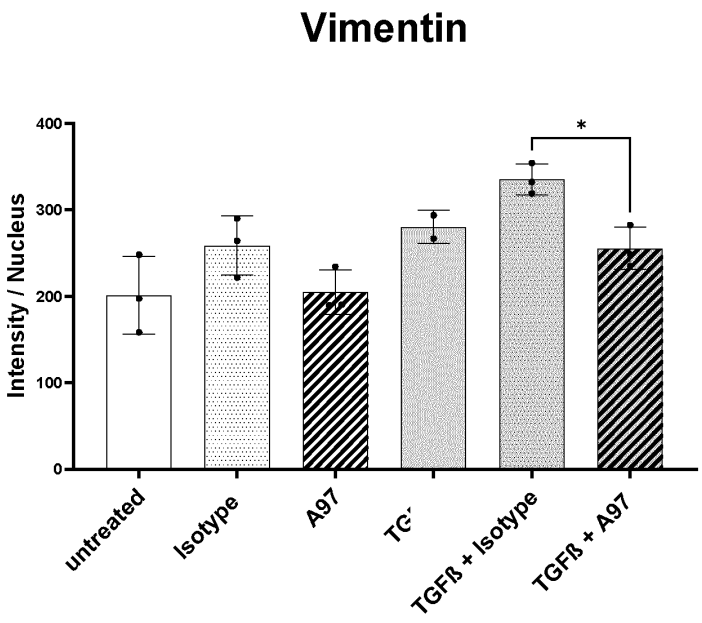

Vimentin
Intensity / Nucleus
400
300
200
100
0
*
untreated
Isotype
A97
TC'
TGFß + Isotype
TGFß + A97

FIG. 6

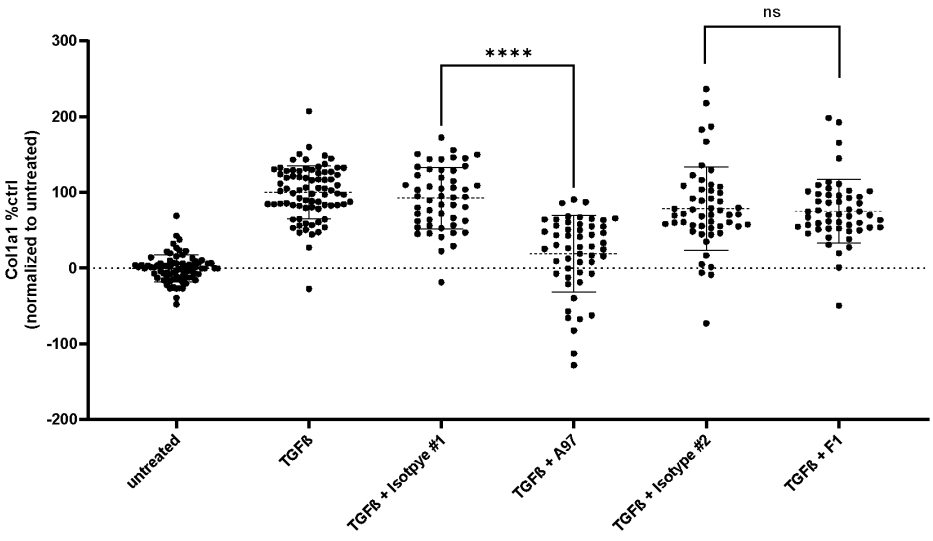

Col1a1 %ctrl
(normalized to untreated)
300
200
100
0
-100
-200
****
ns
untreated
TGFß
TGFß + Isotype #1
TGFß + A97
TGFß + Isotype #2
TGFß + F1

FIG. 7

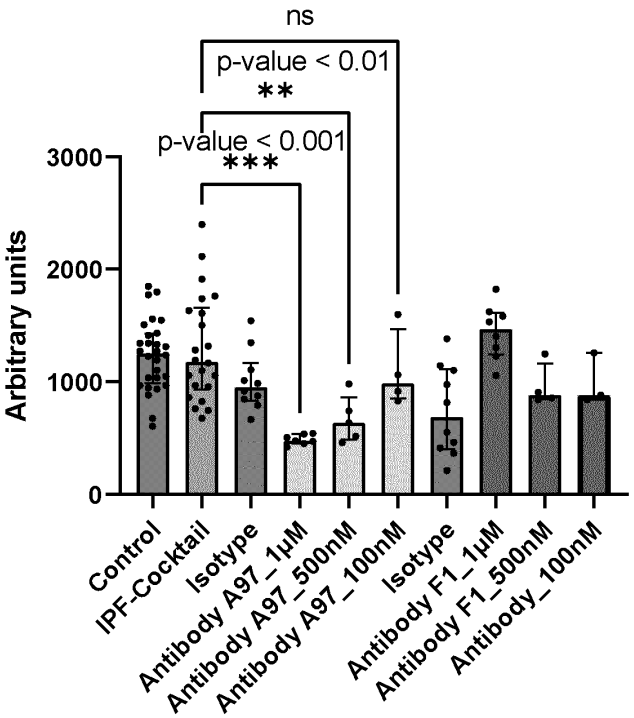

ns
p-value < 0.01
**
p-value < 0.001
***
3000
2000
1000
0
Arbitrary units
Control
IPF-Cocktail
Isotype
Antibody A97_1µM
Antibody A97_500nM
Antibody A97_100nM
Isotype
Antibody F1_1µM
Antibody F1_500nM
Antibody_100nM

FIG. 8

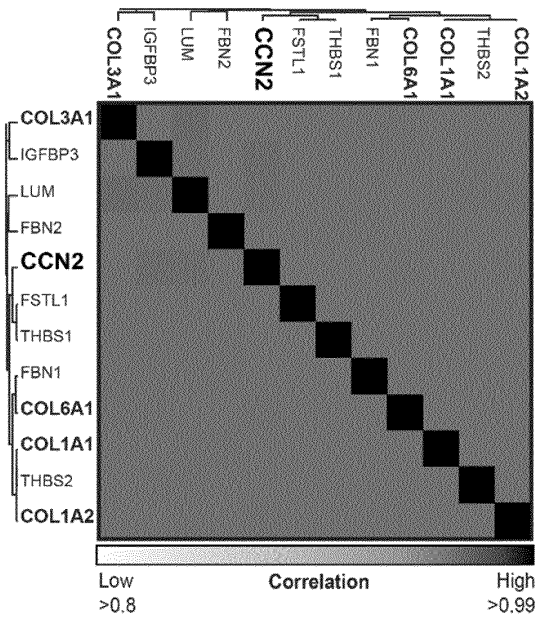

COL3A1
IGFBP3
LUM
FBN2
CCN2
FSTL1
THBS1
FBN1
COL6A1
COL1A1
THBS2
COL1A2
Low
>0.8
Correlation
High
>0.99

FIG. 9A

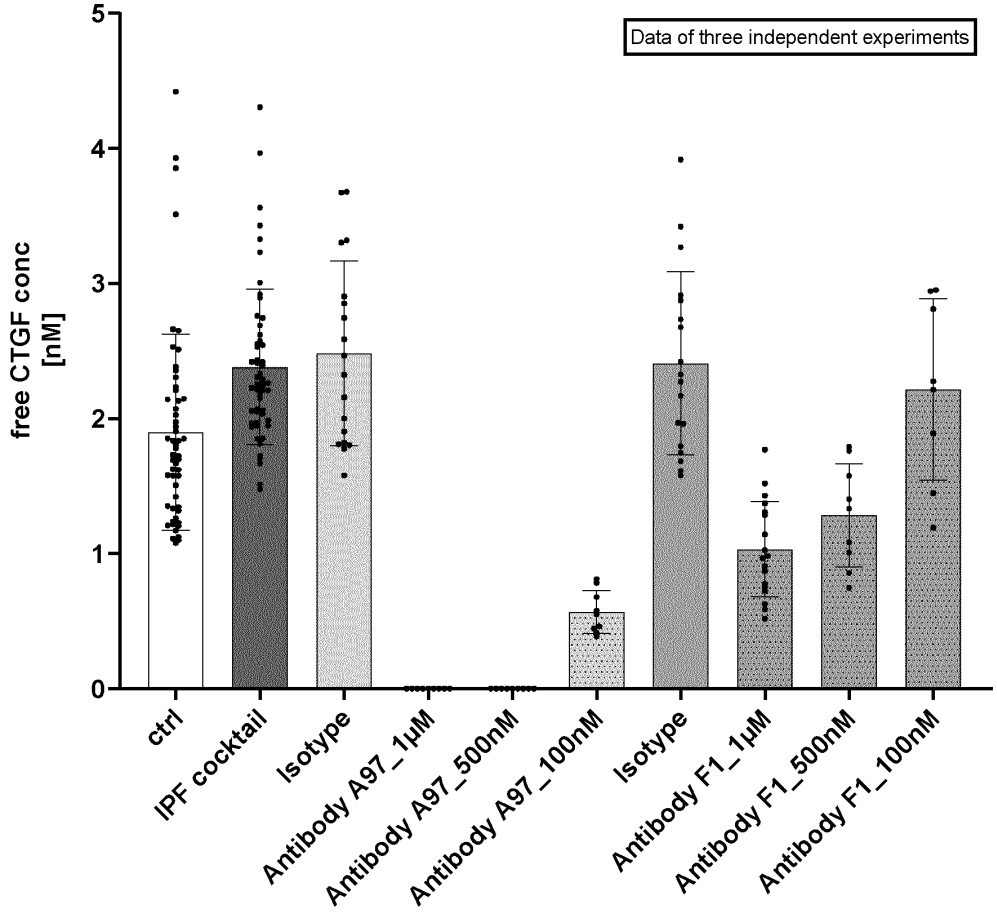

Data of three independent experiments
free CTGF conc [nM]
0
1
2
3
4
5
ctrl
IPF cocktail
Isotype
Antibody A97_1µM
Antibody A97_500nM
Antibody A97_100nM
Isotype
Antibody F1_1µM
Antibody F1_500nM
Antibody F1_100nM

FIG. 9B

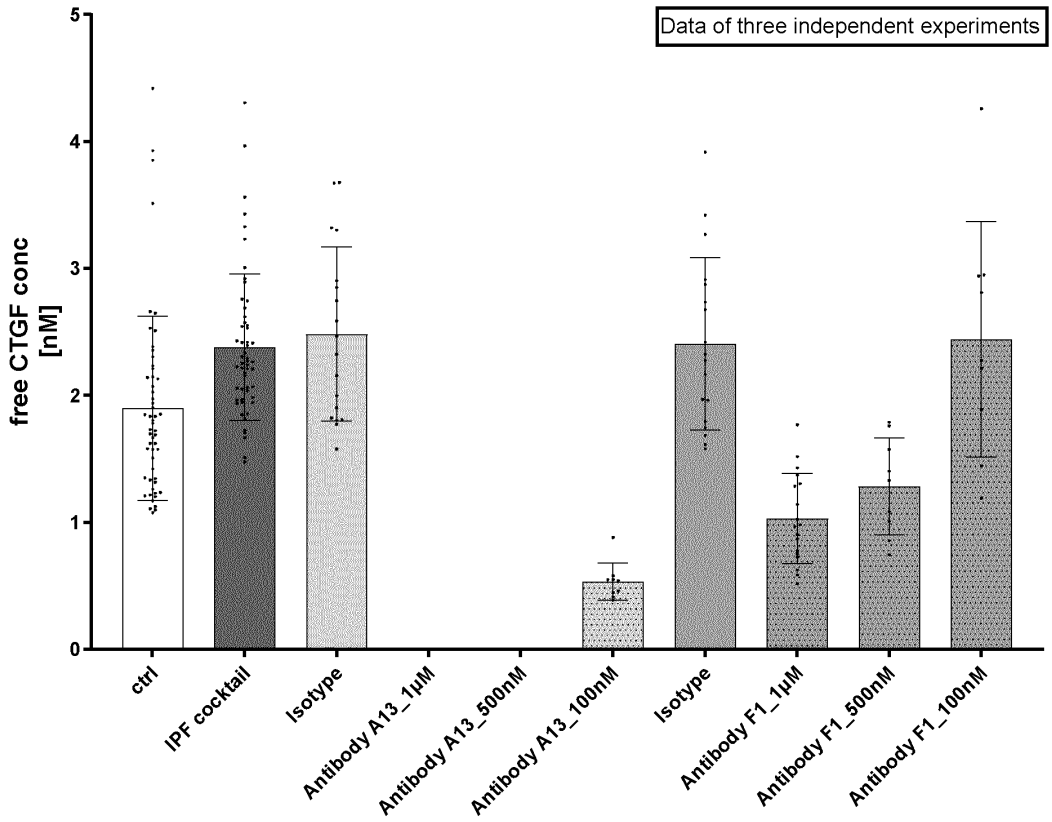

Data of three independent experiments
free CTGF conc [nM]
0
1
2
3
4
5
ctrl
IPF cocktail
Isotype
Antibody A13_1µM
Antibody A13_500nM
Antibody A13_100nM
Isotype
Antibody F1_1µM
Antibody F1_500nM
Antibody F1_100nM

FIG. 10

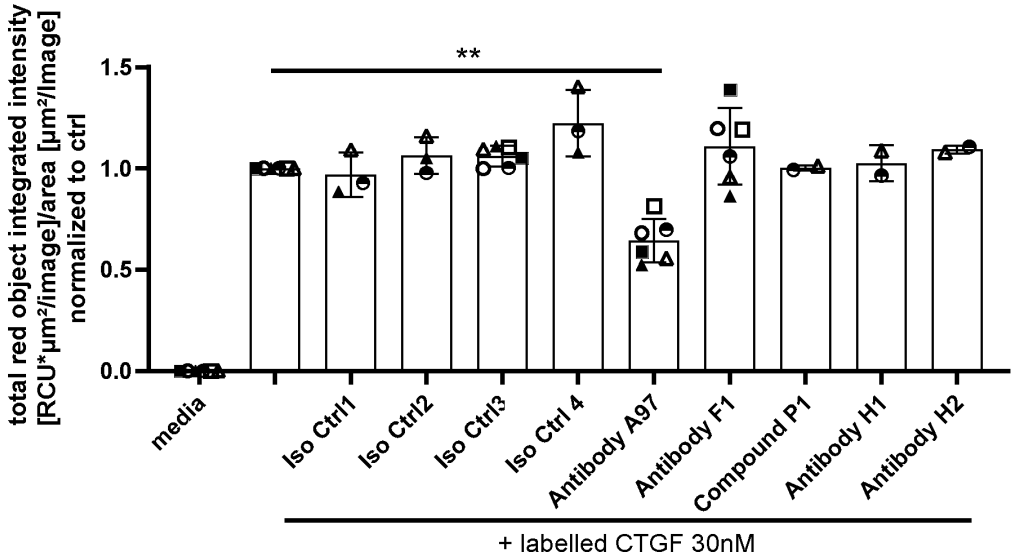

total red object integrated intensity
[RCU*µm²/image]/area [µm²/Image]
normalized to ctrl
1.5
1.0
0.5
0.0
**
media
Iso Ctrl1
Iso Ctrl2
Iso Ctrl3
Iso Ctrl 4
Antibody A97
Antibody F1
Compound P1
Antibody H1
Antibody H2
+ labelled CTGF 30nM

FIG. 11

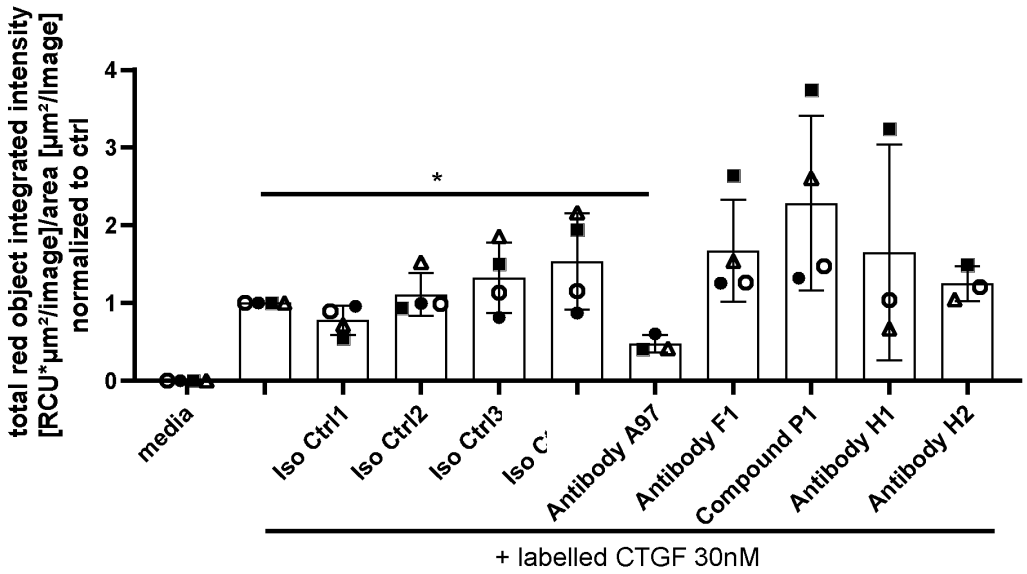

total red object integrated intensity
[RCU*µm²/image]/area [µm²/Image]
normalized to ctrl
4
3
2
1
0
*
media
Iso Ctrl1
Iso Ctrl2
Iso Ctrl3
Antibody A97
Antibody F1
Compound P1
Antibody H1
Antibody H2
+ labelled CTGF 30nM

FIG. 12

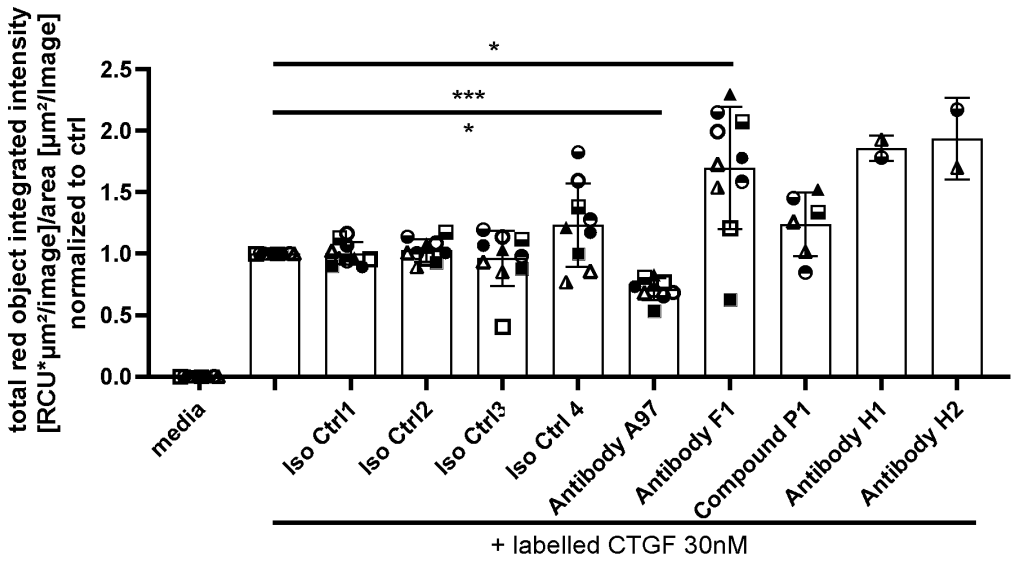

total red object integrated intensity
[RCU*µm²/image]/area [µm²/image]
normalized to ctrl
2.5
2.0
1.5
1.0
0.5
0.0
*
***
*
media
Iso Ctrl1
Iso Ctrl2
Iso Ctrl3
Iso Ctrl 4
Antibody A97
Antibody F1
Compound P1
Antibody H1
Antibody H2
+ labelled CTGF 30nM

FIG. 13

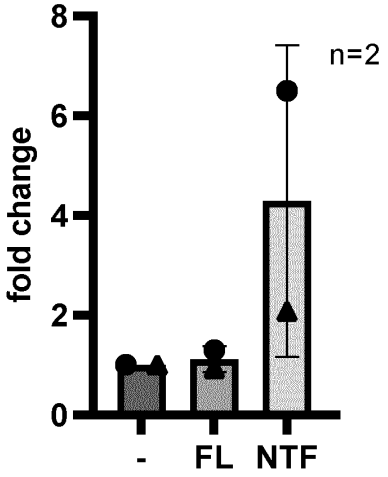

fold change
8
6
4
2
0
n=2
-
FL
NTF

FIG. 14A

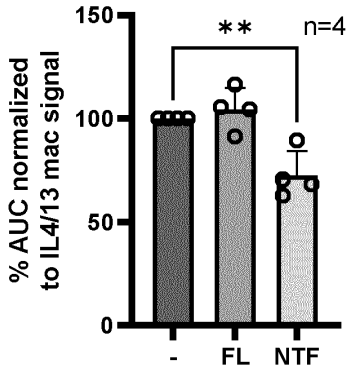


FIG. 14B

