ELK Biotechnology

β (TGFbR2)

E K7556

Tissue homogenates, cell lysates and other biological fluids

0.126 ng/mL

0.32-20 ng/mL

TGFbR2

		48T	96T	
	Pre-coated Microplate	6 x 8	12 x 8	4℃/-20℃
	Standard (lyophilized)	1	2	4℃/-20℃
&	Standard/Sample Diluent Buffer	10 mL	20 mL	4℃/-20℃
100×	Biotinylated Antibody (100×)	60 µL	120 µL	4℃/-20℃
	Biotinylated Antibody Diluent	6 mL	12 mL	4℃/-20℃
HRP 100×	Strepbody			

TGFbR2 96

TGFbR2 TGFbR2 TGFbR2

TGFbR2 TGFbR2

HRP TMB TMB

TGFbR2 450 nm (OD)

1. 2 4℃ 1000×g 20
-20℃ -80℃
2. 30 2-8℃ 1000×g 15
EDTA-Na_2 -20℃ -80℃
3. PBS 0.01M pH7.0-7.2
PBS 1:9
PBS 1%

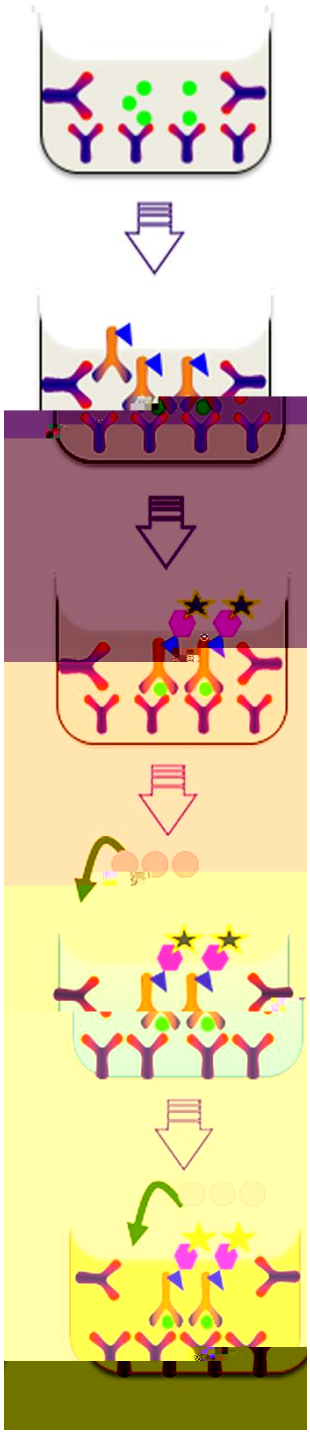
2
5000×g 5-10

BC016 BCA
4. 1000×g 20
-20℃ -80℃
5. 24 2000×g 15
-20℃
6. 2-8℃, 1000×g 15
-20℃
7. 1000×g 20

1.
2. 1 4℃
-20℃ 1 -80℃ 3-6

1. 50 5 μL 245 μL & 50
2. 100 5 μL 495 μL & 100
3. 1000 5 μL 95 μL & 20 5 μL 20 245 μL & 50 1000
4. 100000 5 μL 195 μL & 40 5 μL 40 245 μL & 50 5 μL 2000 245 μL & 50 100000
5. 3 μL 100
6. PBS &

1. / (Original solution)
2.



1. 25 μL(
) 25 μL，37℃ 80

2. 200 μL 3
100 μL 37℃ 50

3. 200 μL 3
100 μL HRP 37℃ 50

4. 200 μL 5
90 μL TMB，37℃ 20 min

5. 50 μL 450 nm

1. 30

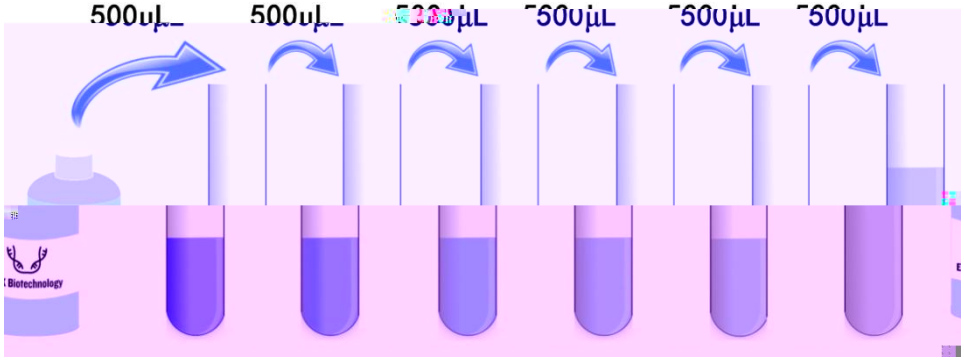
2. 25× 1× 4℃

3. & 1.0 mL 10

20 ng/mL 20 ng/mL 10 ng/mL 5 ng/mL

2.5 ng/mL 1.25 ng/mL 0.625 ng/mL 0.313 ng/mL 0 ng/mL

15



ng/mL 20 10 5 2.5 1.25 0.625 0.313

4. 100 µL/

100-200 µL 15 1:100

1 µL 99 µL

5. 100 µL/ 100-200

µL 15 HRP 1:100

1 µL 99 µL

6. TMB ——

1.

2.

1000×g 1 4-5

3.

40℃

4. 10

5.

6. TMB TMB

7.

8.

9.

10.

1.

2.

3.

1.

2. 25 μL

37℃ 80

3. 3 200 μL 1-2

4. 100μL 15 37℃ 50

5. 3 200μL 1-2

6. 100 μL 15 37℃ 50

7. 5 200 μL 1-2

8. TMB 90 μL 37℃ 20

30

9. 50 μL

10. 450 nm OD

1. OD OD

2. OD OD

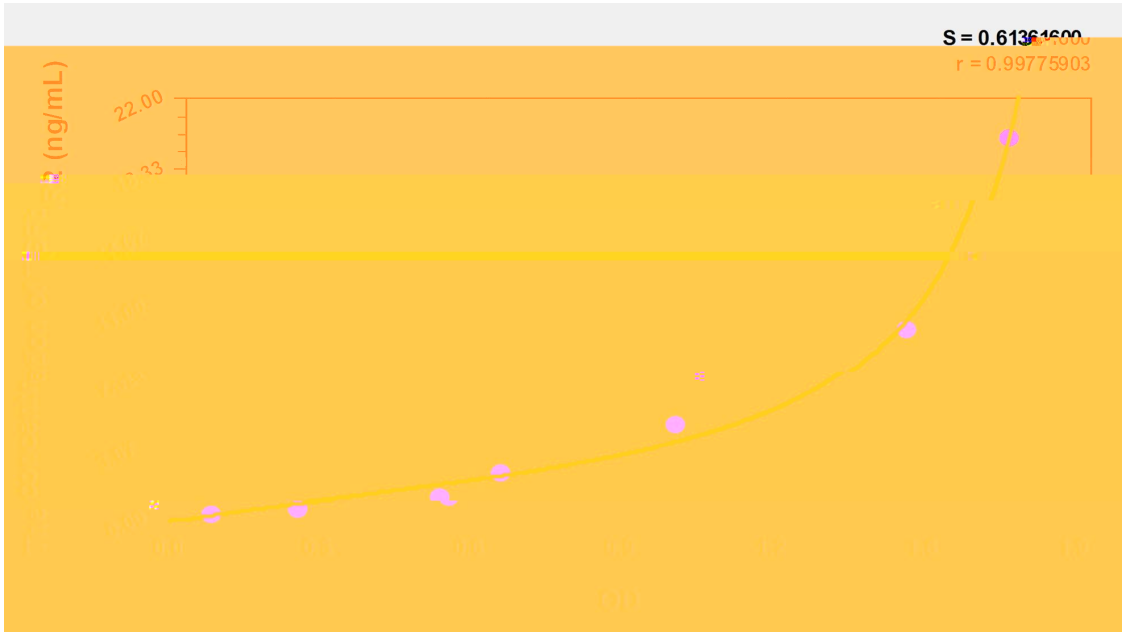
X Y

OD

OD

curve expert

Concentration (ng/mL)	OD	Corrected OD
20	1.781	1.7
10	1.607	1.526
5	1.148	1.067
2.5	0.787	0.706
1.25	0.663	0.582
0.625	0.351	0.27
0.313	0.171	0.09
0	0.081	0.000



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( ): CV%<8%

1 20

( ): CV%<10%

3 40

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TGFbR2

(n=5)	84-90%	87%
EDTA (n=5)	80-92%	86%
heparin (n=5)	90-116%	103%

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TGFbR2 2 4 8 16

	1:2	1:4	1:8	1:16
(n=5)	94-114%	81-101%	83-111%	93-115%
EDTA (n=5)	89-101%	86-102%	94-102%	83-91%
heparin (n=5)	93-100%	93-110%	84-91%	86-108%

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	Avidin-HRP	
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		TMB 450nm , 650nm

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		15-30min
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		PH
	,	(NaN_3), , .
,	NaN_3 ,	NaN_3
	,	,
,		TMB 450nm , 650nm

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2. ,
3.
4.
5. ELK Biotechnology
6. 6

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