ELK Biotechnology

EGF 7(EGFL7)

Serum, plasma, tissue homogenates and other biological fluids

0.062 ng/mL

0.16-10 ng/mL

		48T	96T	
	Pre-coated Microplate	6 x 8	12 x 8	4°C/-20°C
	Standard (lyophilized)	1	2	4°C/-20°C
	Standard/Sample Diluent Buffer	10 mL	20 mL	4°C/-20°C
×	Biotinylated Antibody (100×)	60 µL	120 µL	4°C/-20°C
	Biotinylated Antibody Diluent	6 mL	12 mL	4°C/-20°C
×	Streptavidin-HRP (100×)	60 µL	120 µL	4°C/-20°C
	HRP Diluent	6 mL	12 mL	4°C/-20°C
×	Wash Buffer (25×)	10 mL	20 mL	4°C/-20°C
	TMB Substrate Solution	6 mL	10 mL	4°C/-20°C(
	Stop Reagent	3 mL	6 mL	4°C/-20°C
	Plate Covers	1	2	
	Instruction Manual	1	1	

EGFL7 96

EGFL7 EGFL7 EGFL7

EGFL7 EGFL7

HRP TMB TMB

EGFL7

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

μL μL

μL μL

μL μL μL

μL

μL μL

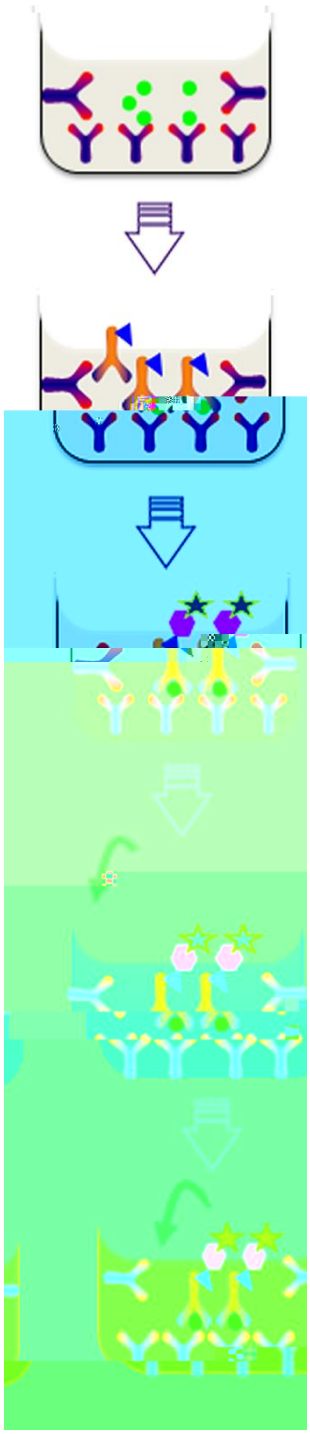
μL μL μL

μL

μL

1. / (Original solution)

2.



1. 25 µL
25 µL 37°C 80

2 µL
µL °C

3. 200 µL 3
100 µL HRP 37°C 50

4. 200 µL 5
90 µL TMB °C 20 min

5. 50 µL 450 nm

1. 30

2. 25× 1× 4℃

3. & 1.0 mL 10
10 ng/mL 10 ng/mL 5 ng/mL 2.5
ng/mL 1.25 ng/mL 0.625 ng/mL 0.313 ng/mL 0.156 ng/mL 0 ng/mL
15

ng/mL 10 5 2.5 1.25 0.625 0.313 0.156

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. 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

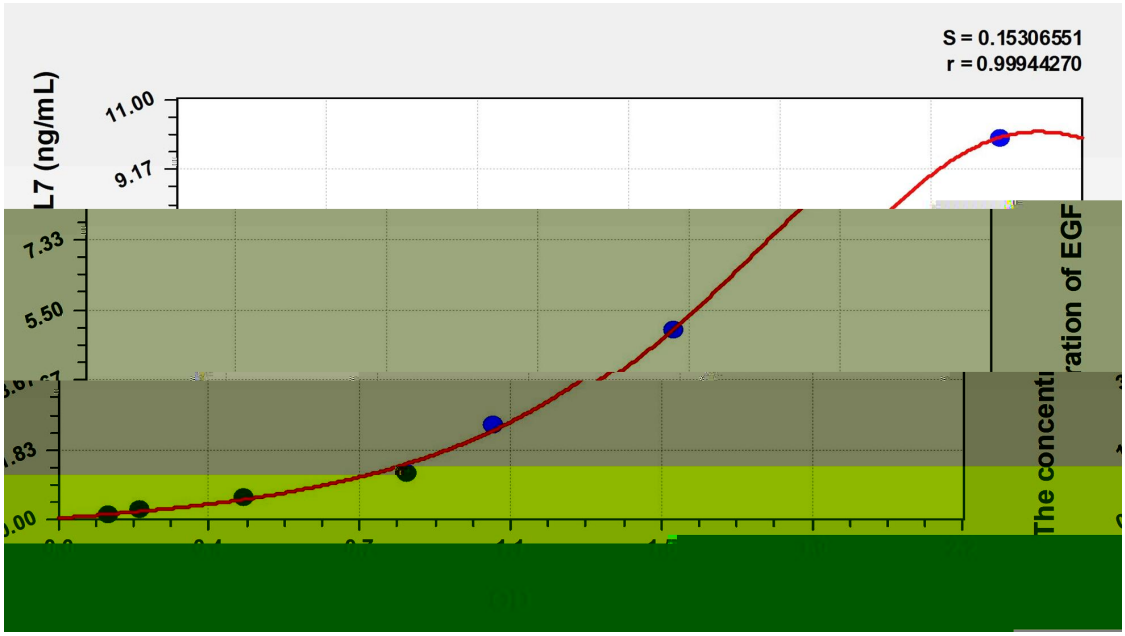
X Y

OD

OD

curve expert

ng/mL		
10	2.136	2.044
5	1.555	1.463
2.5	1.17	1.078
1.25	0.957	0.865
0.625	0.555	0.463
0.313	0.295	0.203
0.156	0.214	0.122
0	0.092	0.000



●

CV%<8%

20

CV%<10%

40

●

(n=5)	89-113%	101%
EDTA (n=5)	90-117%	104%
heparin (n=5)	93-105%	99%

●

	1:2	1:4	1:8	1:16
(n=5)	93-119%	82-114%	95-118%	85-103%
EDTA (n=5)	93-114%	85-92%	89-100%	88-94%
heparin (n=5)	89-101%	84-114%	91-112%	87-118%

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1. , ,
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2. ,

3.

4.

5. ELK Biotechnology

6. 6

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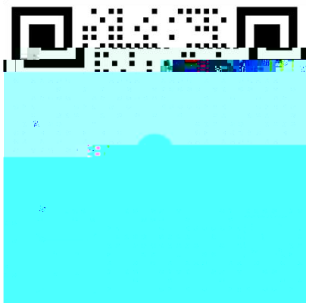
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