ELK2320

serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

6.2 pg/mL

15.63-1000 pg/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	

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-1:2)

2.

1. 100 μL
100 μL 37℃ 80

2

1

1.

2.

1000×g 1 4-5

3.

40℃

4. 10

5.

6. TMB TMB

7.

8.

9.

10.

1.

2. 100 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

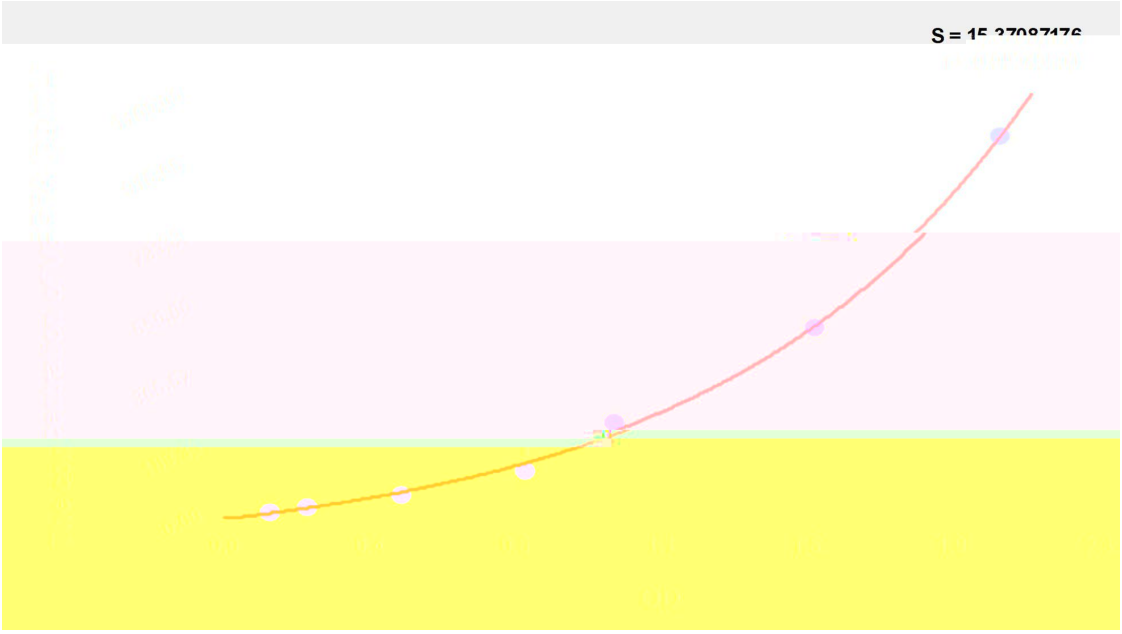
X Y

OD

OD

curve expert

Concentration (pg/mL)	OD	Corrected OD
1000	2.157	2.06
500	1.655	1.558
250	1.133	1.036
125	0.878	0.781
62.5	0.557	0.46
31.25	0.312	0.215
15.63	0.216	0.119
0	0.097	0.000



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●

CV%<8%

20

CV%<10%

40

●

(n=5)	83-97%	90%
EDTA (n=5)	87-95%	91%
heparin (n=5)	81-95%	88%

●

	1:2	1:4	1:8	1:16
(n=5)	83-92%	91-96%	85-93%	95-101%
EDTA (n=5)	81-93%	86-98%	91-103%	82-95%
heparin (n=5)	87-95%	85-98%	82-97%	92-101%

ELISA

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5. ELK Biotechnology

6. 6

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