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

0.055 ng/mL

0.16-10 ng/mL

	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℃
Biotinylate			

×

	Instruction Manual	1	1	

1.

2. * 4℃ 1 1
HRP -20℃ 4℃ 6
* 4℃ 6 -20℃ 1

3. -20℃ 4℃

4.

5.

6.

1. 450 nm

2.

3.

4.

5. EP 0.5-10 μL 2-20 μL 20-200 μL 200-1000 μL

6.

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

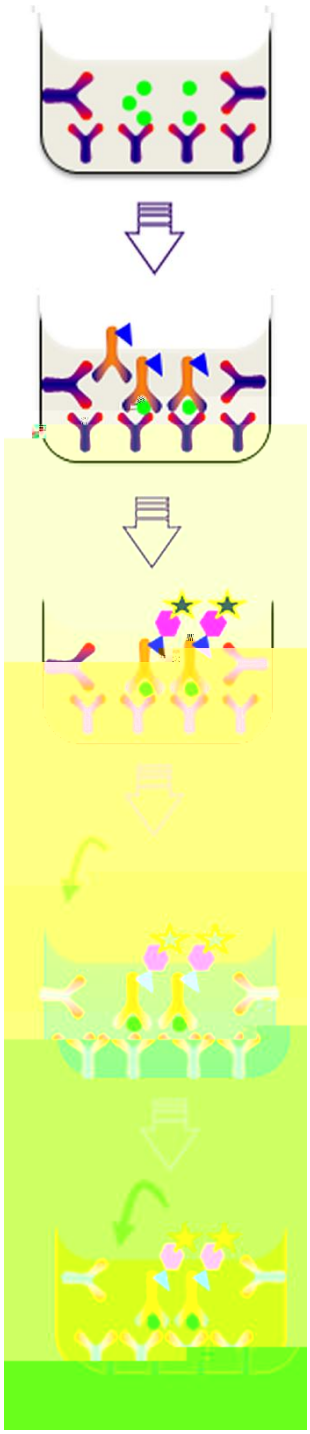
μL μL μL

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

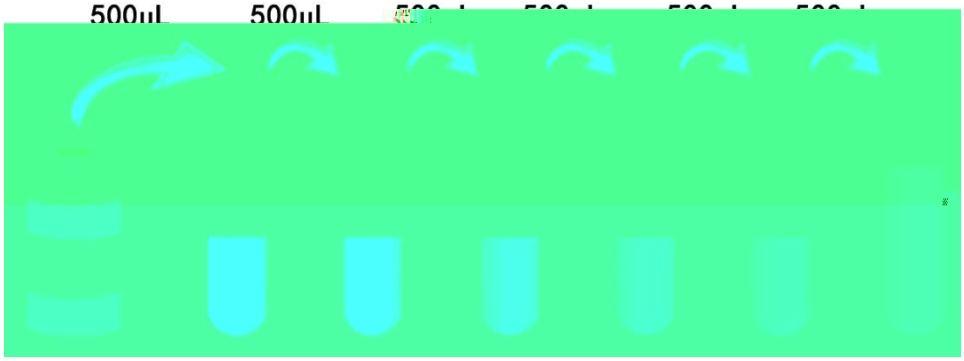
4. 200 µL 5
90 µL TMB °C 20 min

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.

●

CV%<8%

20

CV%<10%

40

●

(n=5)	84-92%	88%
EDTA (n=5)	89-116%	103%
heparin (n=5)	87-114%	101%

●

	1:2	1:4	1:8	1:16
(n=5)	84-100%	81-107%	95-118%	82-91%
EDTA (n=5)	87-96%	82-114%	93-102%	82-99%
heparin (n=5)	81-107%	83-88%	83-94%	85-119%

A

		200 μL/

1. , ,
. , ,
,

2. ,

3.

4.

5. ELK Biotechnology

6. 6

027-59760950

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