Serum, plasma

0.04 pg/mL

3.13-200 pg/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℃
×	Biotinylated Antibody (100×)	60 µL	120 µL	4℃/-20℃
	Biotinylated Antibody Diluent	6 mL	12 mL	4℃/-20℃
×	Streptavidin-HRP (100×)	60 µL	120 µL	4℃/-20℃
	HRP Diluent	6 mL	12 mL	4℃/-20℃
×	Wash Buffer (25×)	10 mL	20 mL	4℃/-20℃
	TMB Substrate Solution	6 mL	10 mL	4℃/-20℃(
	Stop Reagent	3 mL	6 mL	4℃/-20℃
	Plate Covers	1	2	
	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.

MIP1a 96

MIP1a MIP1a MIP1a

MIP1a MIP1a

HRP TMB TMB

MIP1a

450 nm OD

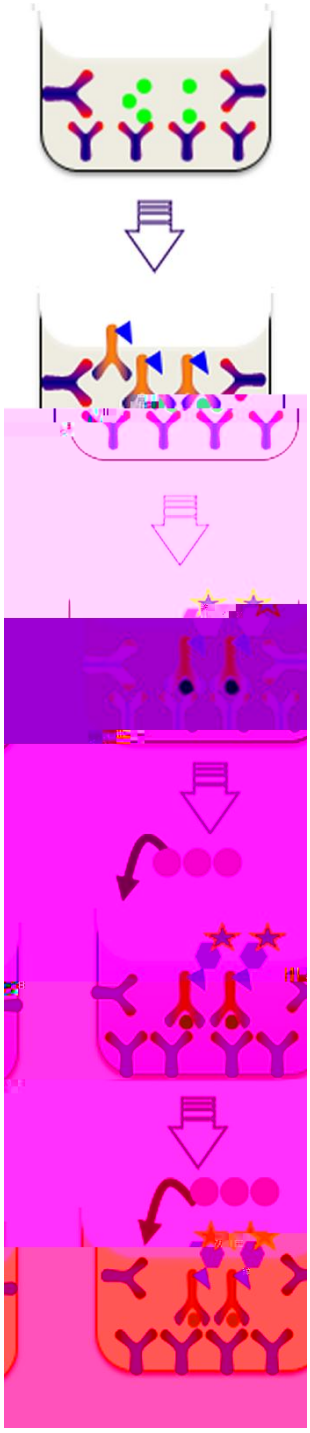
1. 2 4℃ 1000×g 20
-20℃ -80℃
2. 30 2-8℃ 1000×g 15
EDTA-Na_2 -20° -80°
3. PBS 0.01M pH7.0-7.2
PBS 1:9
PBS 1%

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



1. 100 µL
100 µL 37℃ 80

2. 200µL 3
100µL 37℃ 50

3. 200 µL 3
100 µL HRP 37℃ 50

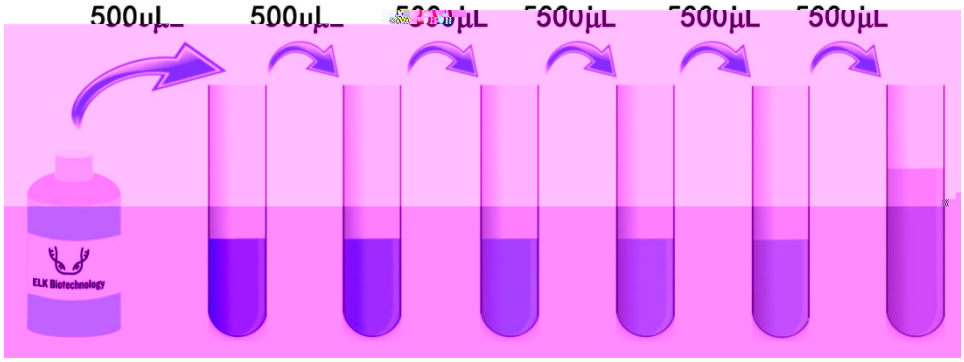
4. 200 µL 5
90 µL TMB 20 min

5. 50 µL 450 nm

1. 30

2. 25× 1× 4℃

3. & 1.0 mL 10
200 pg/mL 200 pg/mL 100 pg/mL
50 pg/mL 25 pg/mL 12.5 pg/mL 6.25 pg/mL 3.13 pg/mL 0 pg/mL
15



Stock
Standard

pg/mL	200	100	50	25	12.5	6.25	3.13

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. 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

200	2.379	2.292
100	1.609	1.522
50	1.251	1.164
25	0.818	0.731
12.5	0.582	0.495
6.25	0.357	0.27
3.13	0.235	0.148
0	0.087	0.000

●

CV%<8%

20

CV%<10%

40

●

(n=5)	90-103%	97%
EDTA (n=5)	95-106%	101%
heparin (n=5)	87-95%	91%

●

	1:2	1:4	1:8	1:16
(n=5)	79-88%	80-89%	93-105%	89-102%
EDTA (n=5)	81-90%	79-85%	92-98%	92-98%
heparin (n=5)	83-90%	88-99%	78-85%	91-98%

1. , ,

. , ,