



E K H

Serum, plasma

0.05 pg/mL

0.63-40 pg/mL

IL6

		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
100×	Biotinylated Antibody (100×)	60 μL	120 μL	4°C/-20°C
	Biotinylated Antibody Diluent	6 mL	12 mL	4°C/-20°C
HRP 100×	Streptavidin-HRP (100×)	60 μL	120 μL	4°C/-20°C
	HRP Diluent	6 mL	12 mL	4°C/-20°C
25×	Wash Buffer (25×)	10 mL	20 mL	4°C/-20°C
TMB	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	



- 1.
2. * 4°C 1 1
 HRP -20°C 4°C 6
 * 4°C 6 -20°C 1

3. -20°C 4°C

- 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.
3. TMB



		IL6	96	
IL6		IL6	IL6	
IL6		IL6		HRP
	TMB	TMB		
		IL6		450 nm
(OD)				

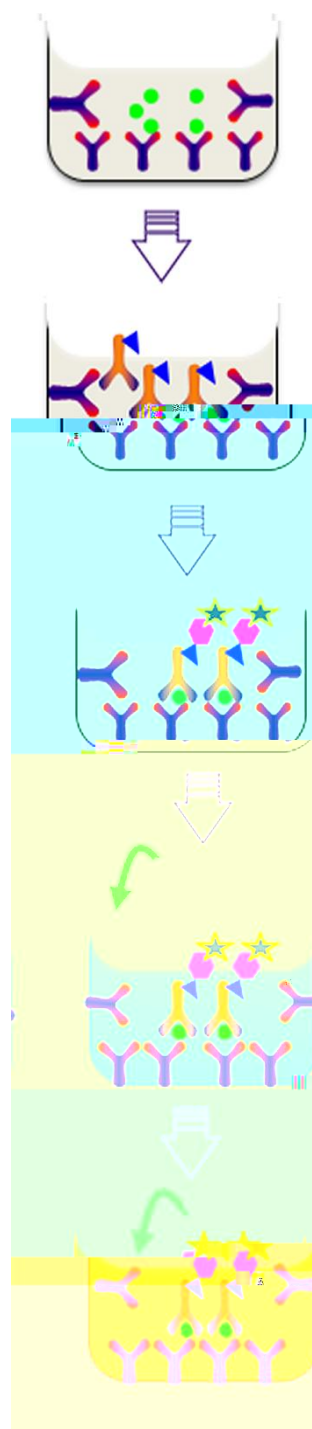


1. 2 4°C 1000×g 20
-20°C -80°C
2. 30 2-8°C 1000×g 15
EDTA-Na₂ -20°C -80°C
3. PBS 0.01M pH7.0-7.2
PBS 1:9
PBS 1%
2
5000×g 5-10
BC016 BCA
4. 1000×g 20
-20°C -80°C
5. 24 2000×g 15
-20°C
6. 2-8°C, 1000×g 15
-20°C
7. 1000×g 20
- 1.
2. 1 4°C
-20°C 1 -80°C 3-6



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		
		3 μL	100			
		PBS		&		

1. / (Original solution-1:2)
- 2.

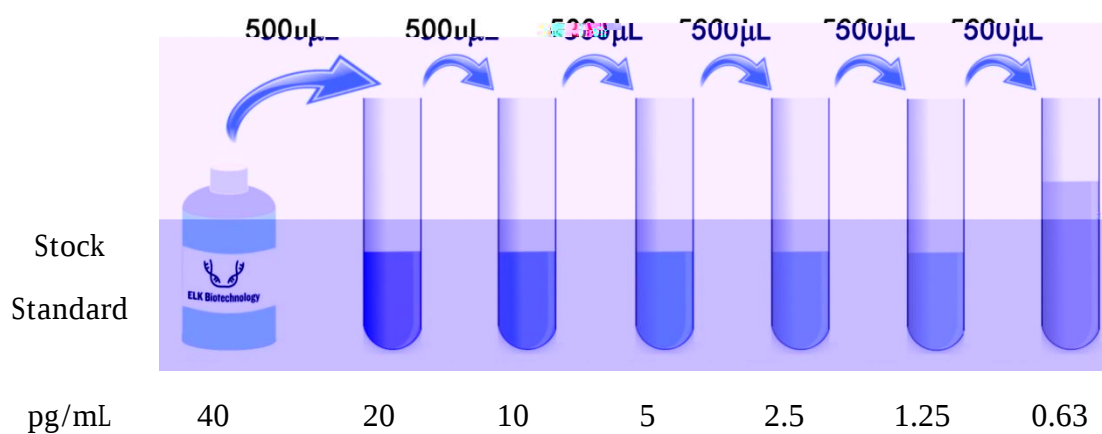


1.) 100 μ L, 37°C 80 100 μ L (
2. 100 μ L 200 μ L 37°C 50 3
3. 100 μ L HRP 200 μ L 37°C 50 3
4. 90 μ L TMB, 37 200 μ L 20 min 5
5. 50 μ L 450 nm



- 30
- 25× 1× 4°C
- & 1.0 mL 10
40 pg/mL 40 pg/mL 20 pg/mL 10
pg/mL 5 pg/mL 2.5 pg/mL 1.25 pg/mL 0.63 pg/mL 0 pg/mL

15



- 100-200 µL 15 100 µL/ 1:100
1 µL 99 µL

- 100 µL/ 100-200
µL 15 HRP 1:100
1 µL 99 µL

- TMB —



- 1.
2.
1000×g 1 4-5
3.
40°C
4.
10
- 5.
6. TMB TMB
- 7.
- 8.
- 9.
- 10.

1.

2.

3.



- 1.
2. 100 μ L
- 37 $^{\circ}$ C 80
3. 3 200 μ L 1-2
4. 100 μ L 15 37 $^{\circ}$ C 50
5. 3 200 μ L 1-2
6. 100 μ L 15 37 $^{\circ}$ C 50
7. 5 200 μ L 1-2
8. TMB 90 μ L 37 $^{\circ}$ C 20
30
9. 50 μ L
10. 450 nm OD



1. OD OD
 2. OD OD
- X Y

OD

OD

curve expert

C

D

C

D

40	2.368	2.281
20	1.628	1.541
10	1.226	1.139
5	0.897	0.81
2.5	0.525	0.438
1.25	0.256	0.169
0.63		



●

() : CV% < 8%

1 20

() : CV% < 10%

3 40

●

IL6

(n=5)	80-94%	87%
EDTA (n=5)	78-85%	82%
heparin (n=5)	85-92%	89%

●

IL6

2

4

8

16

	1:2	1:4	1:8	1:16
(n=5)	94-105%	83-95%	80-88%	95-103%
EDTA (n=5)	94-102%	88-99%	91-103%	91-103%
heparin (n=5)	85-95%	82-94%	86-96%	96-108%



E I A

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	Avidin-HRP	,
		,
		TMB 450nm , 650nm

, ;		
	,	(NaN ₃),
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		,
		,
		30min
	,	,
	,	,
		15-30min
	,	,
		PH
	,	(
	NaN ₃ ,	NaN ₃
	,	,
,		TMB 450nm , 650nm



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