ELK Biotechnology

2(IL2)

ELK1149HS

Serum, plasma, cell culture supernates

0.32 pg/mL

1.57-100 pg/mL

IL2

		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℃ 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.

3. TMB

IL2 96

IL2 IL2 IL2

IL2 IL2 HRP

TMB TMB

IL2 450 nm

(OD)

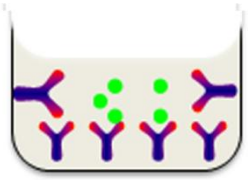
1. 2 4℃ 1000×g 20
-20℃ -80℃
2. 30 2-8℃ 1000×g 15
EDTA-Na_2 -20℃ -80℃
3. PBS 0.01M pH7.0-7.2
PBS 1:9
PBS 1%

2
5000×g 5-10

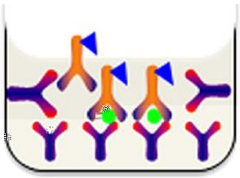
BC016 BCA
4. 1000×g 20
-20℃ -80℃
5. 24 2000×g 15
-20℃
6. 2-8℃, 1000×g 15
-20℃
7. 1000×g 20

1.
2. 1 4℃
-20℃ 1 -80℃ 3-6

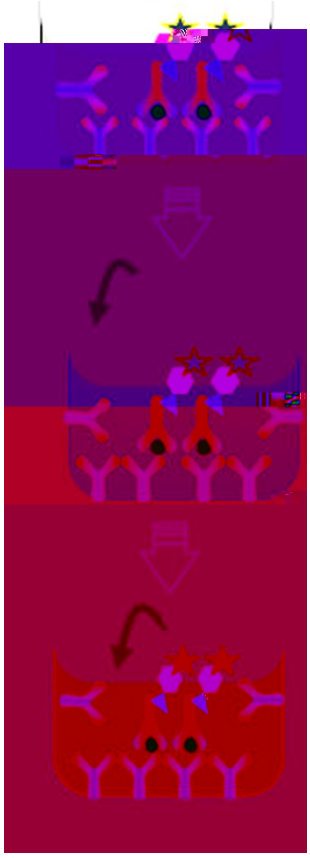
1. 50 5 μL 245 μL &



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，37 20 min

5. 50 μL 450 nm

1. 30

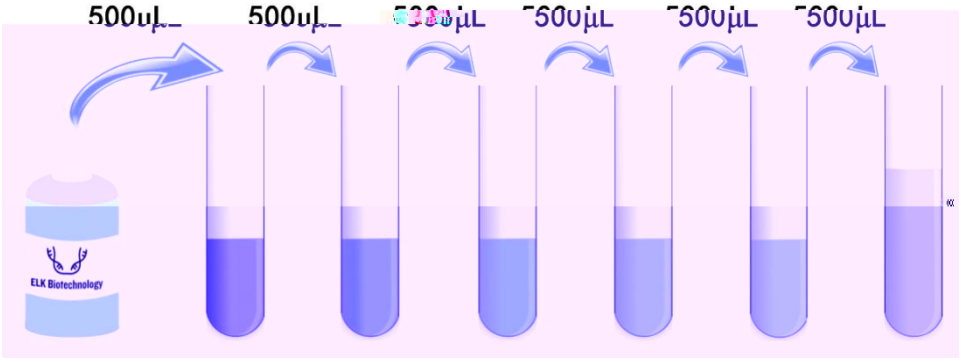
2. 25× 1× 4℃

3. & 1.0 mL 10

100 pg/mL 100 pg/mL 50 pg/mL

25 pg/mL 12.5 pg/mL 6.25 pg/mL 3.13 pg/mL 1.57 pg/mL 0 pg/mL

15



Stock

Standard

pg/mL 100 50 25 12.5 6.25 3.13 1.57

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.

3.

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

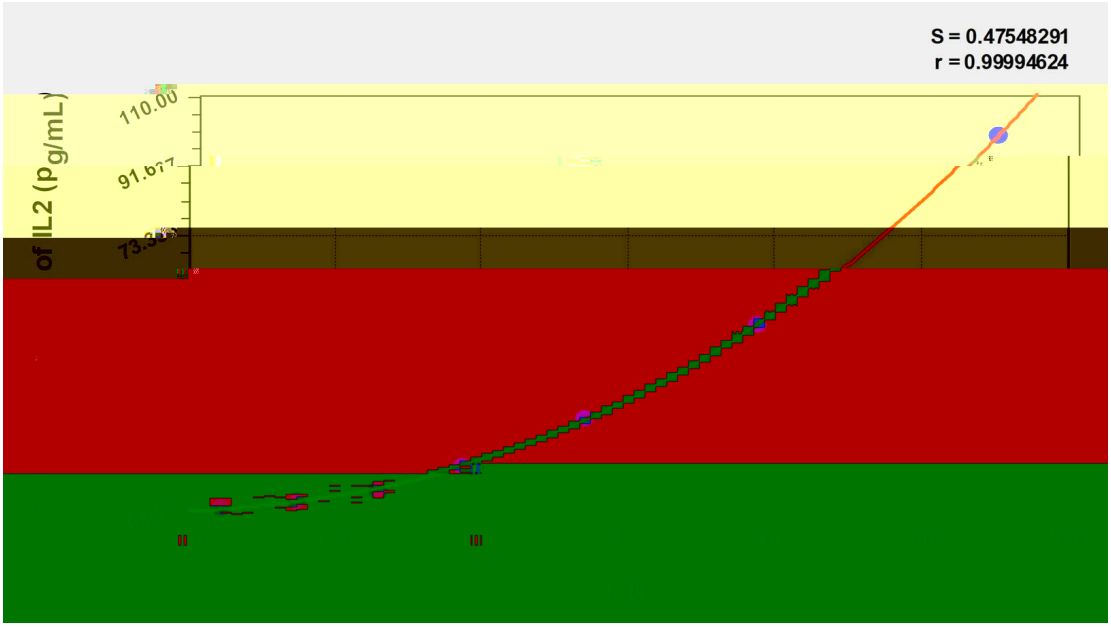
X Y

OD

OD

curve expert

Concentration (pg/mL)	OD	Corrected OD
100	2.322	2.236
50	1.709	1.623
25	1.224	1.138
12.5	0.883	0.797
6.25	0.614	0.528
3.13	0.385	0.299
1.57	0.175	0.089
0	0.086	0.000



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●

( ):CV%<8%

1 20

( ):CV%<10%

3 40

●

IL2

(n=5)	92-102%	97%
EDTA (n=5)	80-90%	85%
heparin (n=5)	86-92%	89%

●

IL2 2 4 8 16

	1:2	1:4	1:8	1:16
(n=5)	80-87%	77-88%	83-92%	89-97%
EDTA (n=5)	78-91%	93-105%	79-89%	79-89%
heparin (n=5)	87-97%	95-103%	89-98%	86-99%

ELISA

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	Avidin-HRP	
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		TMB 450nm , 650nm

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	,	(NaN_3), .
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		30min
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		15-30min
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		PH
	,	(NaN_3), , .
,	NaN_3 ,	NaN_3
	,	,
,		TMB 450nm , 650nm

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		200 μL/ , . ,
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		, ,
		3 , 2 (2)

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	,	,3000 rpm 6min
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1. , ,

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