



## EGF

## 7(EGFL7)

Serum, plasma, tissue homogenates and other biological fluids

0.062 ng/mL

0.16-10 ng/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   | 4°C/-20°C  |
|   | Plate Covers                   | 1     | 2      |            |
|   | Instruction Manual             | 1     | 1      |            |



**ELK Biotechnology**

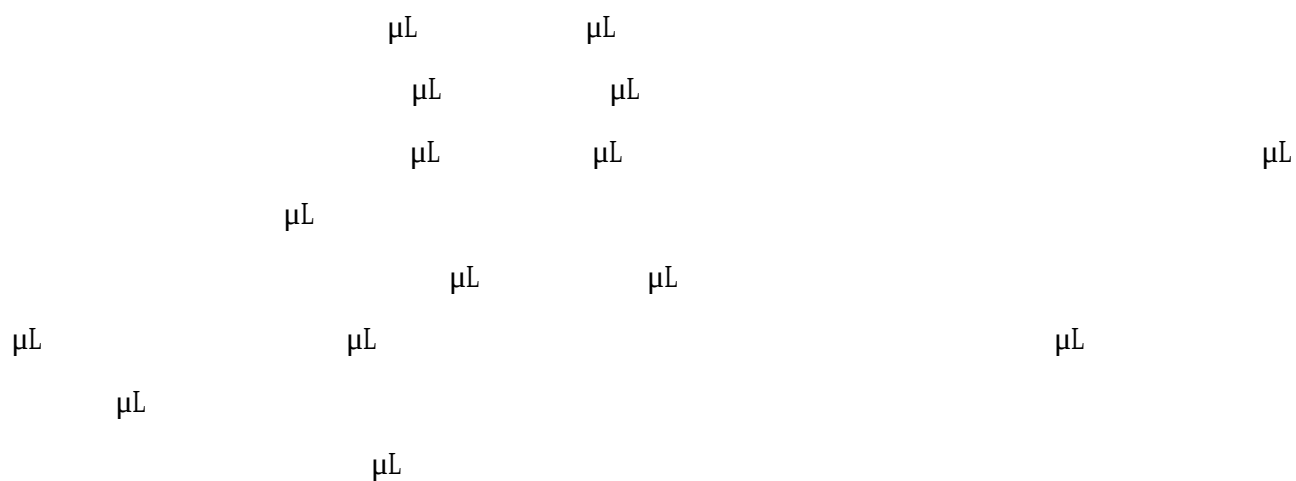
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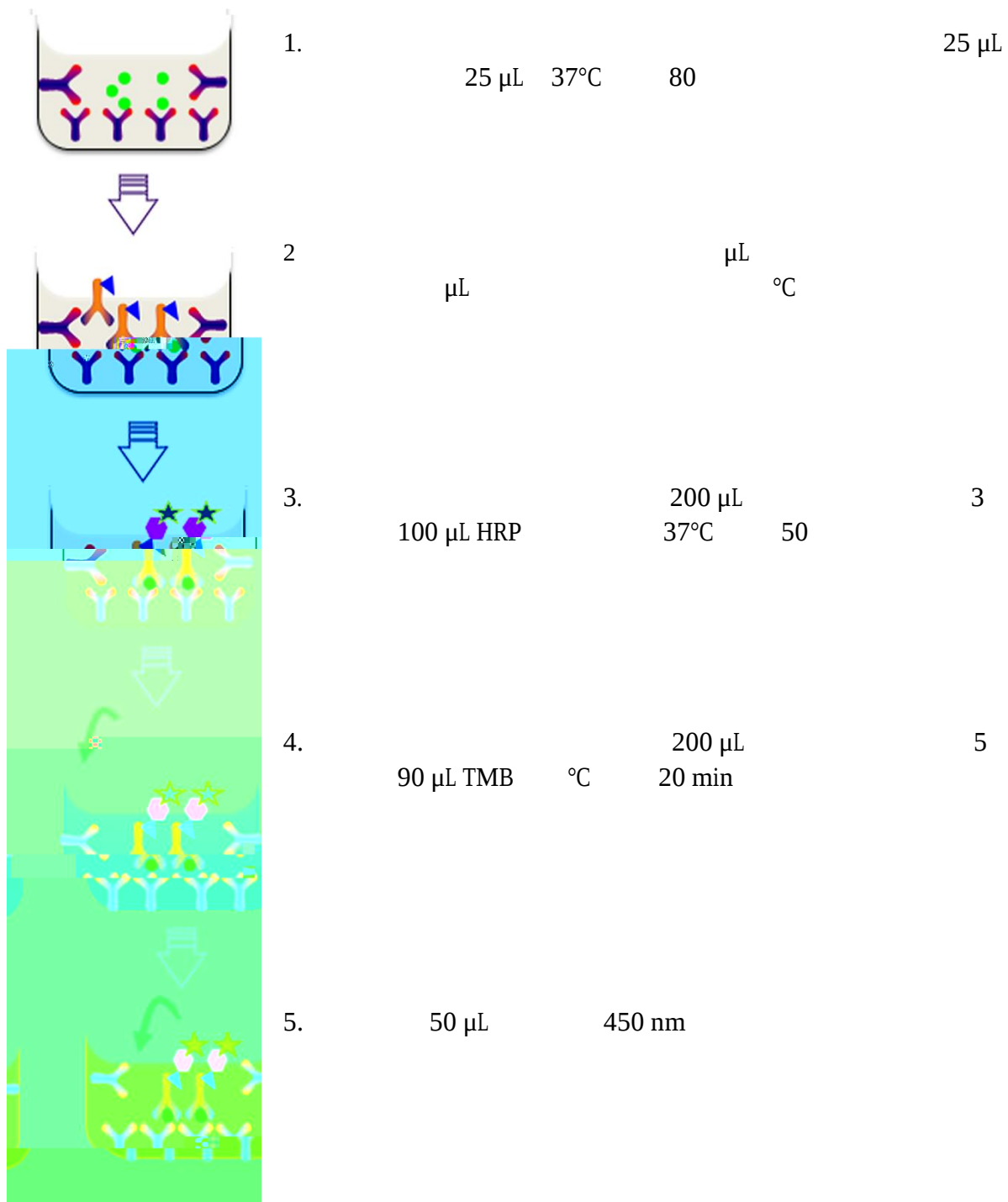
|       |        |       |       |       |
|-------|--------|-------|-------|-------|
|       |        | EGFL7 | 96    |       |
| EGFL7 |        | EGFL7 |       | EGFL7 |
|       | EGFL7  |       | EGFL7 |       |
|       | HRP    |       | TMB   | TMB   |
|       |        |       |       | EGFL7 |
|       | 450 nm | OD    |       |       |



1. 2 4°C 1000×g 20  
-20°C -80°C
2. 30 2-8°C 1000×g 15  
EDTA-Na<sub>2</sub> -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°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



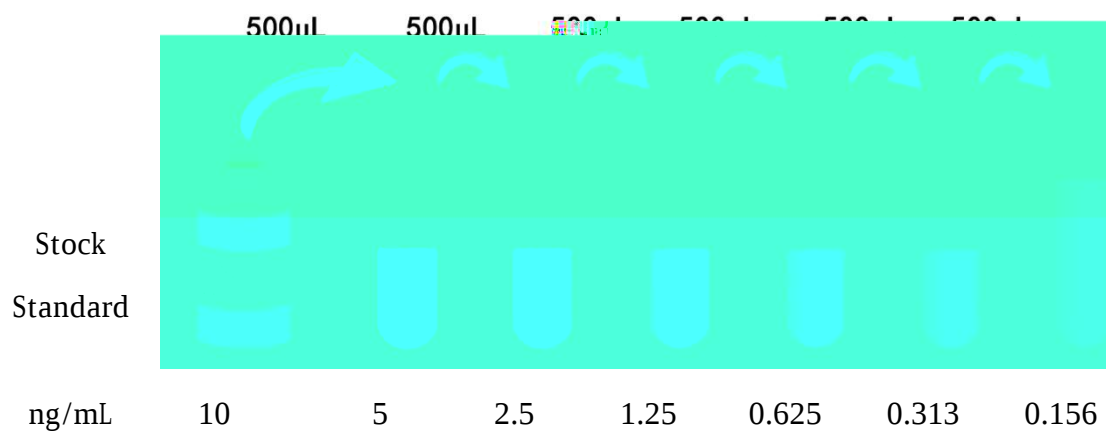
1. / (Original solution)
- 2.





- 30
- 25× 1× 4°C
- |       |                                                |                      |
|-------|------------------------------------------------|----------------------|
| &     | 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



- |            |      |         |       |
|------------|------|---------|-------|
| 100-200 μL | 15   | 100 μL/ | 1:100 |
|            | 1 μL | 99 μL   |       |
- |    |      |         |         |
|----|------|---------|---------|
| μL | 15   | 100 μL/ | 100-200 |
|    |      | 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. 25  $\mu$ L
- 37°C 80
3. 3 200  $\mu$ L 1-2
4. 100 $\mu$ L 15 37°C 50
5. 3 200 $\mu$ L 1-2
6. 100  $\mu$ L 15 37°C 50
7. 5 200  $\mu$ L 1-2
8. TMB 90  $\mu$ L 37°C 20
- 30
9. 50  $\mu$ L
10. 450 nm OD



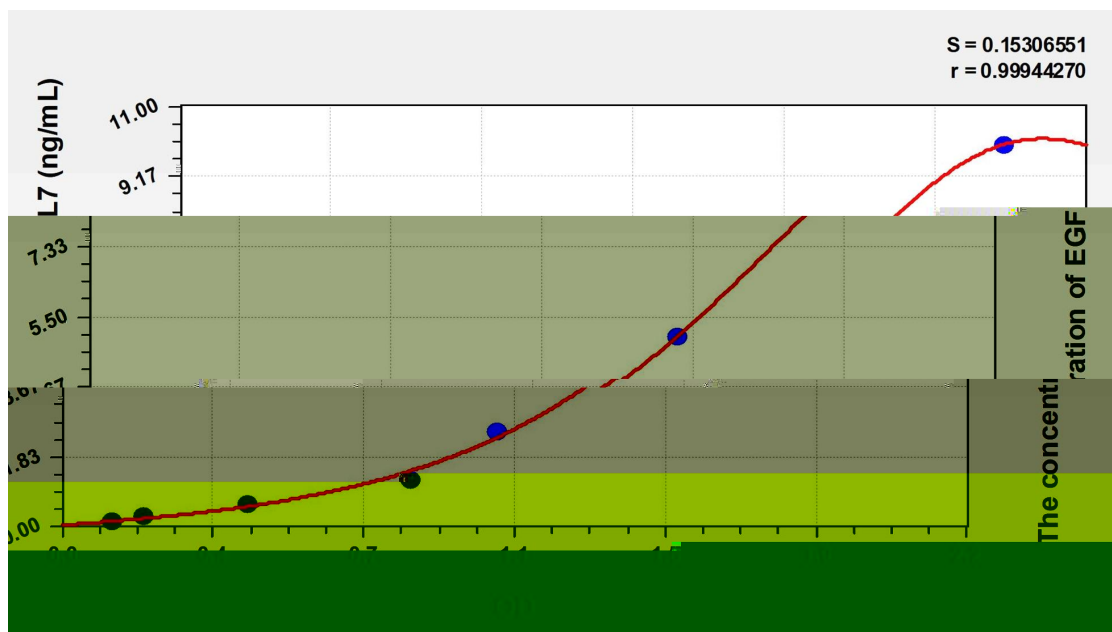
1. OD OD
  2. OD OD
- X Y

OD

OD

curve expert

| ng/mL |       |       |
|-------|-------|-------|
| 10    | 2.136 | 2.044 |
| 5     | 1.555 | 1.463 |
| 2.5   | 1.17  | 1.078 |
| 1.25  | 0.957 | 0.865 |
| 0.625 | 0.555 | 0.463 |
| 0.313 | 0.295 | 0.203 |
| 0.156 | 0.214 | 0.122 |
| 0     | 0.092 | 0.000 |





CV%<8%

20

CV%<10%

40

|               |         |      |
|---------------|---------|------|
|               |         |      |
| (n=5)         | 89-113% | 101% |
| EDTA (n=5)    | 90-117% | 104% |
| heparin (n=5) | 93-105% | 99%  |

|               |         |         |         |         |
|---------------|---------|---------|---------|---------|
|               | 1:2     | 1:4     | 1:8     | 1:16    |
| (n=5)         | 93-119% | 82-114% | 95-118% | 85-103% |
| EDTA (n=5)    | 93-114% | 85-92%  | 89-100% | 88-94%  |
| heparin (n=5) | 89-101% | 84-114% | 91-112% | 87-118% |



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|--|--|---|









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2. ,
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