



## (LNGFR)

Serum, plasma, tissue homogenates and other biological fluids

0.058 ng/mL

0.16-10 ng/mL

LNGFR

|             |                                | 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<br>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      |            |





|       |        |       |       |       |
|-------|--------|-------|-------|-------|
|       |        | LNGFR | 96    |       |
| LNGFR |        | LNGFR |       | LNGFR |
|       | LNGFR  |       | LNGFR |       |
|       | HRP    |       | TMB   | TMB   |
|       |        |       |       | LNGFR |
|       | 450 nm | (OD ) |       |       |

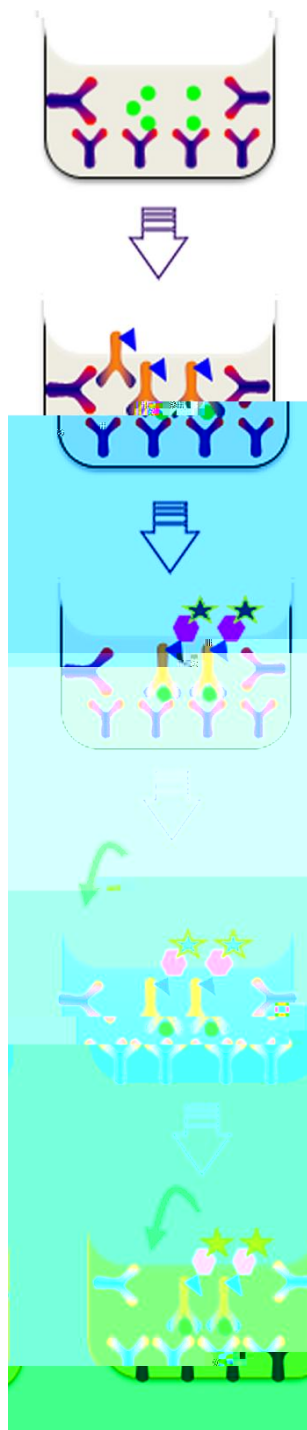


1. 2 4°C 1000×g 20  
-20°C -80°C
2. 30 2-8°C 1000×g 15  
EDTA-Na<sub>2</sub> -20°C -80°C
3. PBS 0.01M pH7.0-7.2  
PBS 1:9  
PBS 1%  
2  
5000×g 5-10
- BC016 BCA
4. 1000×g 20  
-20°C -80°C
5. 24 2000×g 15  
-20°C
6. 2-8°C, 1000×g 15  
-20°C
7. 1000×g 20
- 1.
2. 1 4°C  
-20°C 1 -80°C 3-6



1. 50 5  $\mu$ L 245  $\mu$ L & 50
2. 100 5  $\mu$ L 495  $\mu$ L & 100
3. 1000 5  $\mu$ L 95  $\mu$ L & 20 5  $\mu$ L
- 20 245  $\mu$ L & 50 1000
4. 100000 5  $\mu$ L 195  $\mu$ L & 40
- 5  $\mu$ L 40 245  $\mu$ L & 50 5  $\mu$ L 2000
- 245  $\mu$ L & 50 100000
5. 3  $\mu$ L 100
6. PBS &

1. / (Original solution)
- 2.

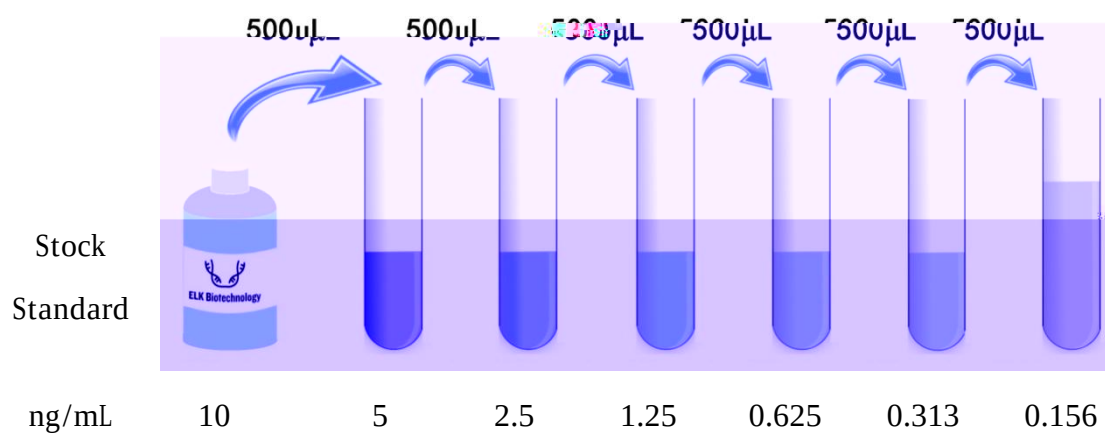


1. ) 25  $\mu$ L, 37°C 80 25  $\mu$ L (
2. 100  $\mu$ L 200  $\mu$ L 37°C 50 3
3. 100  $\mu$ L HRP 200  $\mu$ L 37°C 50 3
4. 90  $\mu$ L TMB, 37°C 200  $\mu$ L 20 min 5
5. 50  $\mu$ L 450 nm



- 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

- 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. 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



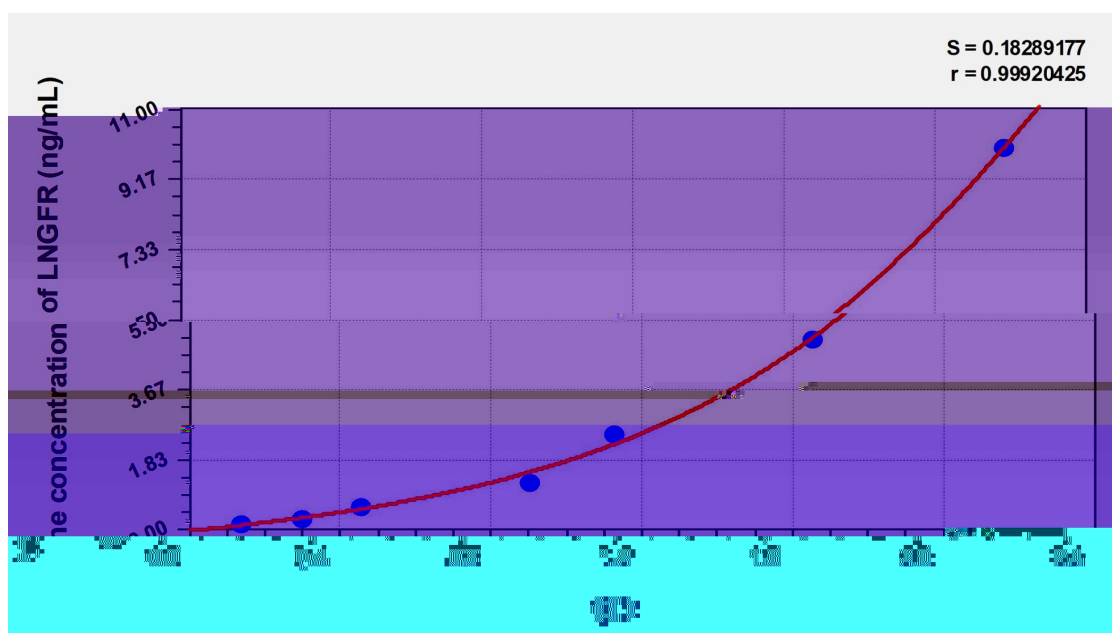
1. OD OD
  2. OD OD
- X Y

OD

OD

curve expert

| ng/mL |       |       |
|-------|-------|-------|
| 10    | 2.237 | 2.141 |
| 5     | 1.716 | 1.62  |
| 2.5   | 1.204 | 1.108 |
| 1.25  | 0.98  | 0.884 |
| 0.625 | 0.544 | 0.448 |
| 0.313 | 0.389 | 0.293 |
| 0.156 | 0.229 | 0.133 |
| 0     | 0.096 | 0.000 |





**ELK Biotechnology**

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|  | Avidin-HRP |               |
|--|------------|---------------|
|  |            |               |
|  |            |               |
|  |            | TMB450nm650nm |

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|---|------------------|----------------------|
|   |                  | ,                    |
|   |                  | 30min                |
|   | ,                | ,                    |
|   | ,                | ,                    |
|   |                  |                      |
|   |                  | 15-30min             |
|   | ,                | ,                    |
|   |                  | PH                   |
|   | ,                | (                    |
|   | $\text{NaN}_3$ , | $\text{NaN}_3$       |
|   |                  | ,                    |
| , |                  | TMB 450nm<br>, 650nm |



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|  |   | ,           |
|--|---|-------------|
|  |   | ,           |
|  |   | 10          |
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|  |   | ,           |
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|  |   | 200 μL/     |
|  |   | ,           |
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|  | , | ,           |
|  |   | ,           |
|  |   | ,           |
|  |   | 3 , 2 ( 2 ) |
|  |   |             |



|  |      | 3<br>, ,         |
|--|------|------------------|
|  |      | , ,<br>, ,       |
|  |      | , ,<br>, ,       |
|  | , ,  | , ,<br>,3000 rpm |
|  | 6min |                  |
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|  |      |                  |



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2. ,
- 3.
- 4.
5. ELK Biotechnology
6. 6

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