

## Human FGF-1 ELISA Kit

**Catalog Number** LDG00029E

**Package** 96 T (8 x 12 strips) / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Components

Human FGF-1 ELISA plate	96 wells (12 x 8-well strips)
Standard	2 vials (Lyophilized form)
Standard reconstitution buffer	1 vial (1.1 mL)
Standard & Sample diluent buffer	1 vial (12 mL)
Assay buffer	1 vial (12 mL)
HRP-antibody conjugate	1 vial (70 µL)
HRP-antibody conjugated diluent buffer	1 vial (12 mL)
20 X wash buffer	1 vial (15 mL)
TMB	1 vial (12 mL)
Stop solution	1 vial (6 mL)
Microplate sealing film	1 sheet

### Specifications

#### Reactivity

Human

#### Application

Sandwich ELISA analysis

#### Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

#### Taipei Office

+886-2-27065528

**Sensitivity**

0.014 ng/mL

**Specificity**

Human FGF-1

**Assay Range**

0.625 ng/mL-40 ng/mL

**Sample Type**

Human Serum / Human Plasma

**Background****Background**

Fibroblast Growth Factors-1 (FGF-1) is a Growth Factors of mitogenic peptides which is a 15 kDa protein containing 139 amino acid residues. Fibroblast Growth Factors-1 is secreted by the macrophage which induce endothelial cell proliferation and angiogenesis. During wound injury, fibroblast Growth Factors-1 helps the tissue remodeling. When the fibroblast Growth Factors-1 binds with the FGFR on the cell membrane which is endocytosed by FGFR and induces the cell cycle.

**Instruction****Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

**Stability & Storage**

This product is stable after storage at:

- 2-8°C for unopened product.

Please refer to product manual for storage constructions.

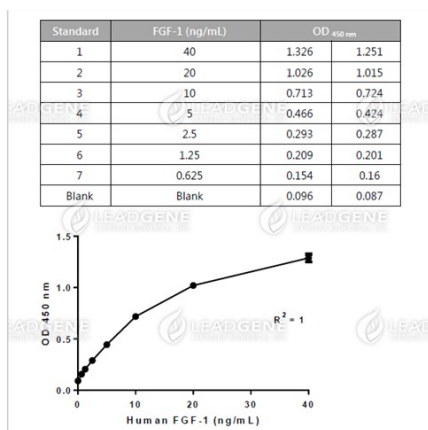
**Image****Tainan Headquarter**

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

**Taipei Office**

+886-2-27065528



## Typical data

The following data are for demonstration only.

	1	2	3	4
A	Standard 1 (40 ng/mL)	Standard 1 (40 ng/mL)	Sample 1	Sample 5
B	Standard 2 (20 ng/mL)	Standard 2 (20 ng/mL)	Sample 1	Sample 5
C	Standard 3 (10 ng/mL)	Standard 3 (10 ng/mL)	Sample 2	Sample 6
D	Standard 4 (5 ng/mL)	Standard 4 (5 ng/mL)	Sample 2	Sample 6
E	Standard 5 (2.5 ng/mL)	Standard 5 (2.5 ng/mL)	Sample 3	Sample 7
F	Standard 6 (1.25 ng/mL)	Standard 6 (1.25 ng/mL)	Sample 3	Sample 7
G	Standard 7 (0.625 ng/mL)	Standard 7 (0.625 ng/mL)	Sample 4	Sample 8
H	Blank	Blank	Sample 4	Sample 8

An example of orientation of standards, blanks and samples in the stripwells microplate

Reagents	Quantity	Reconstitution
Human FGF-1 ELISA plate	96 wells (12 x 8-well strips)	Ready for use
Stripwell microplate with 96 anti-FGF-1 monoclonal antibodies coated wells	2 vials (lyophilized form)	Refer to the vial label for reconstitution volume. Reconstitute by adding Standard reconstitution buffer to be a stock solution of 100 ng/mL. (see procedure, section 8.2.2)
Standard reconstitution buffer	1 vial (1.1 mL)	Ready for use
Buffered protein solution with preservatives	1 vial (1.1 mL)	Ready for use
Standard & Sample diluent buffer	1 vial (12 mL)	Ready for use
Buffered protein solution with preservatives	1 vial (12 mL)	Ready for use
Assay buffer	1 vial (12 mL)	Ready for use
Buffered protein solution with preservatives	1 vial (12 mL)	Ready for use
HRP-antibody conjugate	1 vial (10 µL)	Dilute 200 x with HRP-antibody conjugated diluent buffer (See reagent preparation, section 5.A)
Conjugated Anti-FGF-1 monoclonal antibody	1 vial (12 mL)	Ready for use
HRP-antibody conjugated diluent buffer	1 vial (12 mL)	Ready for use
Buffered solution with preservatives	1 vial (12 mL)	Ready for use
20 X wash buffer	1 vial (15 mL)	Dilute 20 x with distilled water (See reagent preparation, section 5.B)
20-fold concentrated solution of buffer of surfactant with preservatives	1 vial (15 mL)	Dilute 20 x with distilled water (See reagent preparation, section 5.B)
TMB	1 vial (12 mL)	Ready for use
Chromogenic substrate (tetramethylbenzidine) for HRP	1 vial (12 mL)	Ready for use
Stop solution	1 vial (6 mL)	Ready for use
H <sub>2</sub> SO <sub>4</sub> solution	2 sheets	N/A
Microplate sealing film	2 sheets	N/A

Reagents provided and reconstitution

**Disclaimer :** For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Tainan Headquarter

Taipei Office

+886-6-2536677 +886-6-2531536

+886-2-27065528

info@leadgene.com.tw