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# Datasheet for ABIN4881426

# **FGF1 ELISA Kit**



#### Overview

Quantity:	96 tests
Target:	FGF1
Reactivity:	Human, Cow
Method Type:	Sandwich ELISA
Detection Range:	0.205-50 ng/mL
Minimum Detection Limit:	0.205 ng/mL
Application:	ELISA

Product Details	
Purpose:	Bovine aFGF/FGF-1 ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Bovine aFGF.
Sensitivity:	0.2 ng/mL
Characteristics:	<ul> <li>Strip plates and additional reagents allow for use in multiple experiments</li> <li>Quantitative protein detection</li> <li>Establishes normal range</li> <li>The best products for confirmation of antibody array data</li> </ul>
Components:	Pre-Coated 96-well Strip Microplate

### **Product Details**

- · Wash Buffer
- · Stop Solution
- · Assay Diluent(s)
- · Lyophilized Standard
- · Biotinylated Detection Antibody
- · Streptavidin-Conjugated HRP
- · TMB One-Step Substrate

#### Material not included:

- · Distilled or deionized water
- Precision pipettes to deliver 2  $\mu$ L to 1  $\mu$ L volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 μL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- · Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- · Log-log graph paper or computer and software for ELISA data analysis

### **Target Details**

Target:	FGF1
Alternative Name:	aFGF (FGF1 Products)
Gene ID:	281160
UniProt:	P03968
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

## **Application Details**

Application Notes:	Recommended Dilution for serum and plasma samples2 fold
Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.
	2. Add 100 µL of standard or sample to each well.
	3. Incubate 2.5 h at RT or O/N at 4 °C.
	4. Add 100 $\mu L$ of prepared biotin antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 μL of prepared Streptavidin solution to each well.
	7. Incubate 45 min at RT.

# **Application Details**

	<ul> <li>8. Add 100 μL of TMB One-Step Substrate Reagent to each well.</li> <li>9. Incubate 30 min at RT.</li> <li>10. Add 50 μL of Stop Solution to each well.</li> <li>11. Read at 450 pm immediately.</li> </ul>
	11. Read at 450 nm immediately.
Restrictions:	For Research Use only
Handling	
Storage:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.
Expiry Date:	6 months