



Bovine fibroblast growth factor 21, FGF21 ELISA kit (62.5-4000 pg/mL)

Cat. No.:	OB0625WXX-880
Assay Type:	Quantitative sandwich ELISA
Target Species:	Bovine
Assay Target:	FGF21
Size:	24T; 48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description

Bovine fibroblast growth factor 21, FGF21 ELISA kit (62.5-4000 pg/mL) is an ELISA-based *in vitro* research tool designed specifically for the quantitative detection of FGF21 in bovine with a range of 62.5-4000 pg/mL and a specificity of <15.6 pg/mL.

Assay Principle

An antibody specific for FGF21 has been pre-coated on the microtiter plate. Standards and samples are pipetted into the wells, and any FGF21 present is bound by the immobilized antibody. After removal of unbound material, a biotin-conjugated antibody specific for FGF21 is added to the wells. After washing, avidin-conjugated horseradish peroxidase (HRP) is added to the wells. After washing to remove unbound avidin-enzyme reagent, a substrate solution is added to the wells, and the color develops in proportion to the amount of FGF21 bound in the first step. The color development is stopped, and the intensity of the color is measured.

Background

FGF21 is a member of the FGF family and is the primary endogenous agonist for the FGF21 receptor. It is involved in various physiological processes and is associated with obesity. Studies have found that treatment with FGF21 analogues can normalize glucose utilization in obese mice and have shown some anti-obesity effects.

Synonyms

FGF-21; Fgf21

Formula Weight

22,300 Da

**Applications**

Bovine fibroblast growth factor 21, FGF21 ELISA kit (62.5-4000 pg/mL) is used to quantify FGF21 in serum, plasma, tissue homogenate samples of bovine, providing data to support a wide range of studies.

Research Area

Cytokine; Metabolism; Obesity research

Specification

Sample Type	Serum; Plasma; Tissue homogenates
Detection Range	62.5-4000 pg/mL
Sensitivity	<15.6 pg/mL
Precision (Intra-assay)	CV<8%
Precision (Inter-assay)	CV<10%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.