



Competitive Enzyme Immunoassay Kit

Lixisenatide

Catalog No: CEK 0130-02

Background:

Lixisenatide, under development by sanofi-aventis, is a novel human glucagon-like peptide-1 receptor (GLP-1R) agonist for the treatment of type 2 diabetes mellitus (T2DM or non-insulin dependent diabetes). The structure of lixisenatide is able to withstand physiological degradation by dipeptidyl peptidase IV. In vitro, lixisenatide bound to human GLP-1R with a greater affinity than native human GLP-1 (7-36 amide). In various in vitro and in vivo models of T2DM, lixisenatide improved glycemic measures and demonstrated promising pancreatic beta-cell-preserving actions. In patients with T2DM, subcutaneously administered lixisenatide displayed linear pharmacokinetics.

Kit application: CEK Lixisenatide is a 96 wells competitive immunoassay Kit. It can be applied for the analysis of lixisenatide in serum, plasma, or tissue extracts in pharmacokinetics, peptide delivery study and other purposes.

This kit is for research use only.

Application Note: Room Temperature, 3 hours assay, 50ul sample size

Storage: 2 – 5 °C

Detection Method: Colorimetric

Range: 0.01-1000 ng / ml

ED₂₀: 0.83 ng/ml

ED₈₀: 89 ng/ml

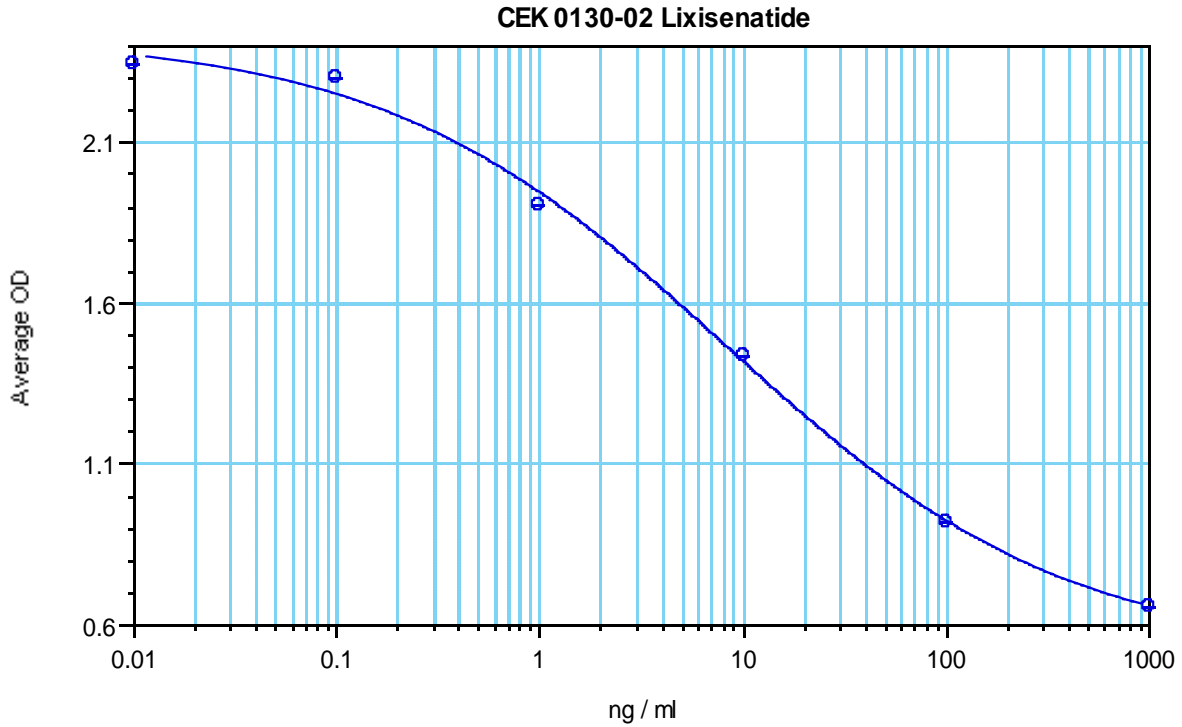
Specificity:

Lixisenatide	100%
Exendin-4	80%
Exendin-3	60%
Glucagon	0%
GLP-1(7-36) amide	0%

GLP-1(7-37)
GLP-2

0%
0%

Typical Data



4-P Fit: $y = (A - D) / (1 + (x/C)^B) + D$: A B C D R²
○ STD#1 (Standards: Conc vs AvgOD) 2.43 0.516 8.26 0.509 0.998

Curve Fit Option - Fixed Weight Value

This standard curve is provided for demonstration only. A standard curve should be generated for each set of samples assayed.