## ELISA Kit for Insulin Like Growth Factor 2 (IGF2)

## Catalog No: tcue1129

Available Sizes

Size: 96T

Specifications

## Research Area:

Tumor immunity;Endocrinology;

## Species Reactivity:

Rattus norvegicus (Rat)

## Sample Type:

Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

## Sensitivity:

The minimum detectable dose of this kit is typically less than $30 \mathrm{pg} / \mathrm{mL}$

## Detection Range:

78.12-5000pg/mL

## Assay Time:

3h

## Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

## Tested Application:

ELISA

## SwissProt:

P01346

## Test Principle

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated
with an antibody specific to Insulin Like Growth Factor 2 (IGF2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Insulin Like Growth Factor 2 (IGF2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Insulin Like Growth Factor 2 (IGF2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450 \mathrm{~nm} \pm 10 \mathrm{~nm}$. The concentration of Insulin Like Growth Factor 2 (IGF2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.


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