

# ELISA Kit for Interleukin 8 (IL8)

# **Catalog No: tcue1424**

Available Sizes

#### **Size:** 96T

Specifications

## **Research Area:**

Cytokine;Infection immunity;

**Species Reactivity:** Oryctolagus cuniculus (Rabbit)

#### 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 6.0pg/mL

### **Detection Range:**

15.6-1,000pg/mL

### Assay Time:

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

#### **Tested Application:**

ELISA

#### SwissProt:

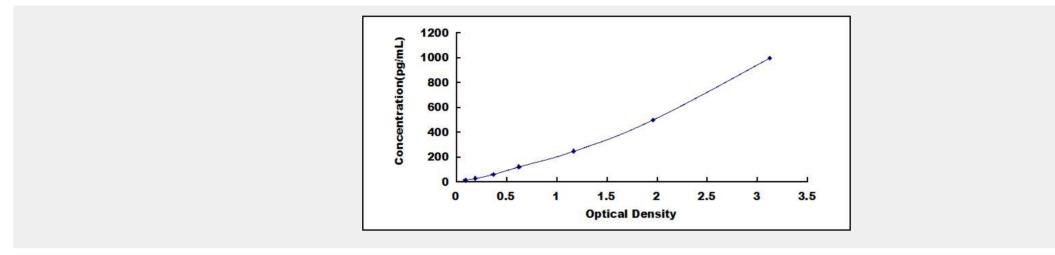
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# **Test Principle**

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 Interleukin 8 (IL8). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 8 (IL8). 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 Interleukin 8 (IL8), 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 450nm  $\pm$  10nm. The concentration of Interleukin 8 (IL8) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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