

# ELISA Kit for Platelet Factor 4 (PF4)

Catalog No: tcue594



## Available Sizes

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**Size:** 96T



## Specifications

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**Research Area:**

Cytokine; Hematology;

**Species Reactivity:**

Oryctolagus cuniculus (Rabbit)

**Sample Type:**

serum and platelet-poor plasma

**Sensitivity:**

The minimum detectable dose of this kit is typically less than 3.4ng/mL

**Detection Range:**

7.8-500ng/mL

**Assay Time:**

3h

**Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

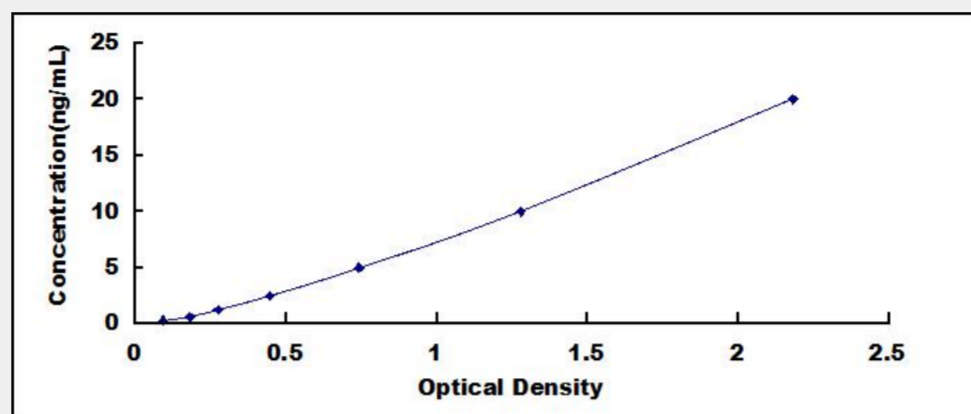
**Tested Application:**

ELISA

## 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 Platelet Factor 4 (PF4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Platelet Factor 4 (PF4). 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 Platelet Factor 4 (PF4), 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Platelet Factor 4 (PF4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!