



# ELISA Kit for Cytokeratin Fragment Antigen 21-1 (CYFRA21-1)

Catalog No: tcue715



## **Available Sizes**

Size: 96T



## **Specifications**

#### **Species Reactivity:**

Homo sapiens (Human)

### **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 0.117ng/mL

### **Detection Range:**

0.312-20ng/mL

#### **Assay Time:**

3h

# **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

## **Tested Application:**

**ELISA** 

#### **SwissProt:**

P08727

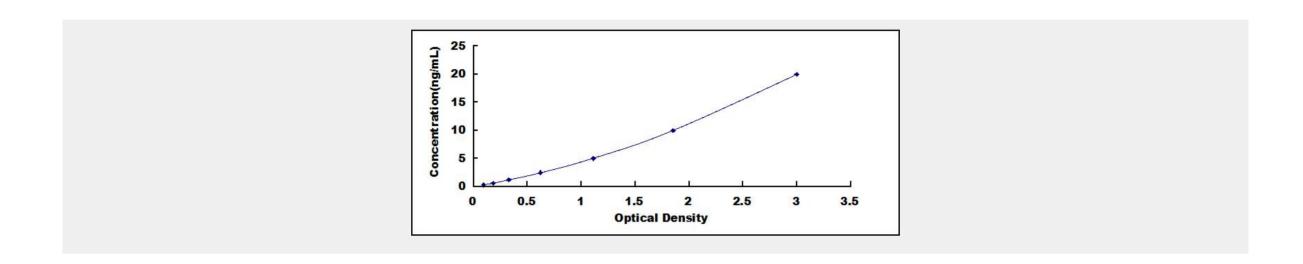
# **Test Principle**

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 Cytokeratin Fragment Antigen 21-1 (CYFRA21-1). Standards or samples are then added to the





appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytokeratin Fragment Antigen 21-1 (CYFRA21-1). 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 Cytokeratin Fragment Antigen 21-1 (CYFRA21-1), 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 ± 10nm. The concentration of Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) 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!