

# ELISA Kit for Polymeric Immunoglobulin Receptor (PIGR)

Catalog No: tcue463



## Available Sizes

Size: 96T



## Specifications

### Research Area:

Signal transduction;Infection immunity;Immune molecule;

### Species Reactivity:

Homo sapiens (Human)

### Sample Type:

serum, plasma, urine, saliva and other biological fluids

### Sensitivity:

The minimum detectable dose of this kit is typically less than 24.5pg/mL

### Detection Range:

62.5-4,000pg/mL

### Assay Time:

3h

### Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

### Tested Application:

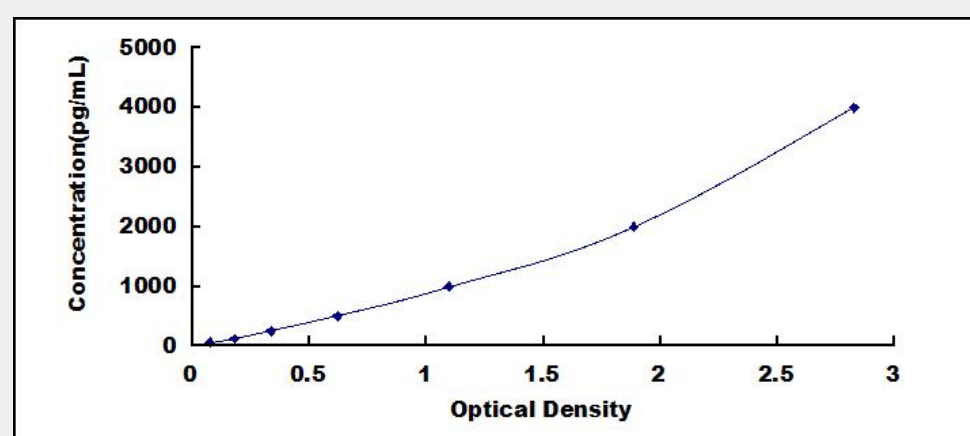
ELISA

### SwissProt:

P01833

## 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 Polymeric Immunoglobulin Receptor (PIGR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Polymeric Immunoglobulin Receptor (PIGR). 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 Polymeric Immunoglobulin Receptor (PIGR), 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 Polymeric Immunoglobulin Receptor (PIGR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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