

## Product Datasheet

# Mouse Tartrate Resistant Acid Phosphatase 5b (TRACP-5b) ELISA Kit (orb1146716)

**Catalog Number** orb1146716

**Category** Assays and Kits

**Description** 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 Tartrate Resistant Acid Phosphatase 5b(TRACP-5b). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tartrate Resistant Acid Phosphatase 5b(TRACP-5b). 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 Tartrate Resistant Acid Phosphatase 5b(TRACP-5b), 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 Tartrate Resistant Acid Phosphatase 5b(TRACP-5b) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Concentration** 50 ng/mL

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### Application notes

standard: 50 ng/mL. 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 Mouse TRACP-5b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse TRACP-5b. 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 Mouse TRACP-5b, 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 Mouse TRACP-5b in the samples is then determined by comparing the OD of the samples to the standard curve

### Assay Type

Sandwich

### Assay Time

3.5h

### Range

0.78-50 ng/mL

### Sensitivity

0.46 ng/mL

### Sample Types

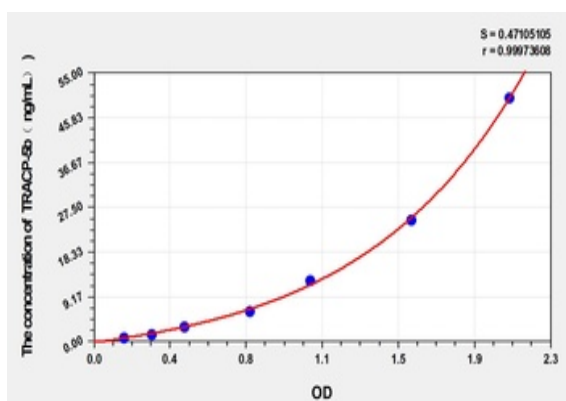
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

### Note

For research use only

### Expiration Date

Please enquire.



Standard curve for orb1146716 ELISA kit.

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