

## Product Datasheet

**Mouse PIEZO-1(Piezo-Type mMechanosensitive  
ilon Channel Component 1) ELISA Kit (orb1950076)**

**Description**

Mouse PIEZO-1(Piezo-Type)

**Reactivity**

Mouse

**Range**

78.13-5000 pg/mL

**Note**

For research use only

**Application notes**

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 PIEZO-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PIEZO-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 Mouse PIEZO-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  $\pm$  10nm. The concentration of Mouse PIEZO-1 in the samples is then determined by comparing the OD of the samples to the standard curve.

**Sample Types**

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

**Uniprot ID**

**E2JF22**

**Sensitivity**

21.3 pg/mL

**Expiration Date**

Please enquire.