

## Product Datasheet

# Pig Macrophage Inflammatory Protein 1 Beta (MIP1b) ELISA Kit (orb1173618)

**Catalog Number** orb1173618

**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 Macrophage Inflammatory Protein 1 Beta(MIP1b). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Macrophage Inflammatory Protein 1 Beta(MIP1b). 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 Macrophage Inflammatory Protein 1 Beta(MIP1b), 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 Macrophage Inflammatory Protein 1 Beta(MIP1b) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Porcine

**Concentration** 5000 pg/mL

**Tested applications** ELISA

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**Application notes**

standard: 5000 pg/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 Pig MIP1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig MIP1b. 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 Pig MIP1b, 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 Pig MIP1b 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**

78.13-5000 pg/mL

**Sensitivity**

31 pg/mL

**Sample Types**

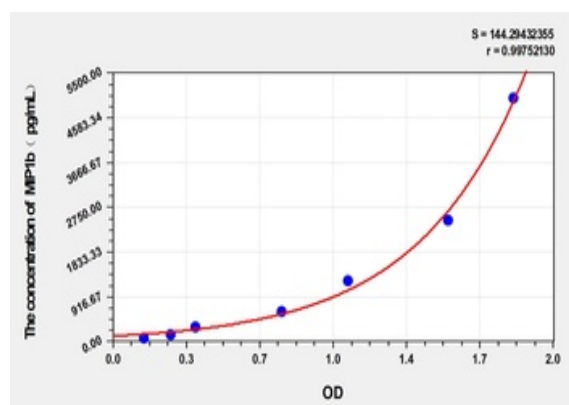
Serum, plasma, tissue homogenates, cell lysates and other biological fluids.

**Note**

For research use only

**Expiration Date**

Please enquire.

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