

## Product Datasheet

### Sheep Immunoglobulin M (IgM) ELISA Kit (orb1146883)

**Catalog Number** orb1146883

**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 Immunoglobulin M(IgM). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Immunoglobulin M(IgM). 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 Immunoglobulin M(IgM), 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 Immunoglobulin M(IgM) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Sheep

**Range** 1.57-100 ug/mL

**Concentration** 2000 ng/mL

**Note** For research use only

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**Application notes**

standard: 100 µg/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 Sheep IgM. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep IgM. 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 Sheep IgM, 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 Sheep IgM 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

**Assay Time**

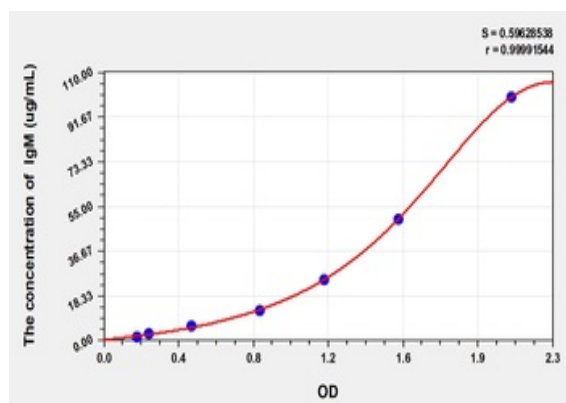
3.5h

**Sensitivity**

0.71 ug/mL

**Expiration Date**

Please enquire.

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