

## Product Datasheet

### Dog Immunoglobulin M (IgM) ELISA Kit (orb1173598)

<b>Catalog Number</b>	orb1173598
<b>Description</b>	<p>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 450nm <math>\pm</math> 10nm. The concentration of Immunoglobulin M(IgM) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Canine
<b>Range</b>	0.16-10 ug/mL
<b>Tested Applications</b>	ELISA
<b>Concentration</b>	1000 ng/mL
<b>Note</b>	For research use only

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**Application notes**

standard: 10 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 Dog IgM. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog 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 Dog 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 Dog IgM in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types**

serum and plasma

**Assay Time**

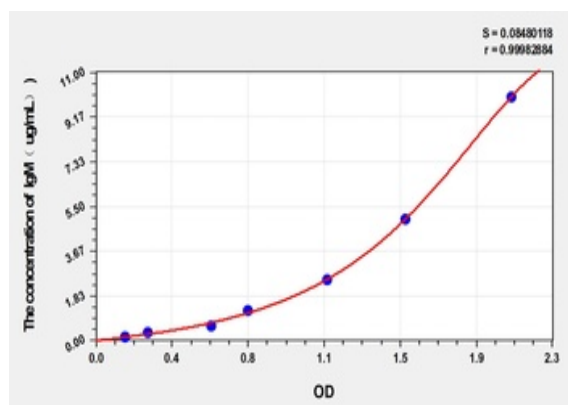
3.5h

**Sensitivity**

0.069 ug/mL

**Expiration Date**

Please enquire.

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