

## Product Datasheet

# Pig Beta-2-Microglobulin (BMG/b2-MG) ELISA Kit (orb1146907)

<b>Catalog Number</b>	orb1146907
<b>Category</b>	Assays and Kits
<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 Beta-2-Microglobulin(BMG/b2-MG). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Beta-2-Microglobulin(BMG/b2-MG). 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 Beta-2-Microglobulin(BMG/b2-MG), 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 Beta-2-Microglobulin(BMG/b2-MG) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Porcine
<b>Concentration</b>	200 ng/mL
<b>UniProt ID</b>	<b>Q07717</b>

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**Application notes**

standard: 200 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 Pig BMG/b2-MG. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig BMG/b2-MG. 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 BMG/b2-MG, 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 BMG/b2-MG 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**

3.13-200 ng/mL

**Sensitivity**

1.24 ng/mL

**Sample Types**

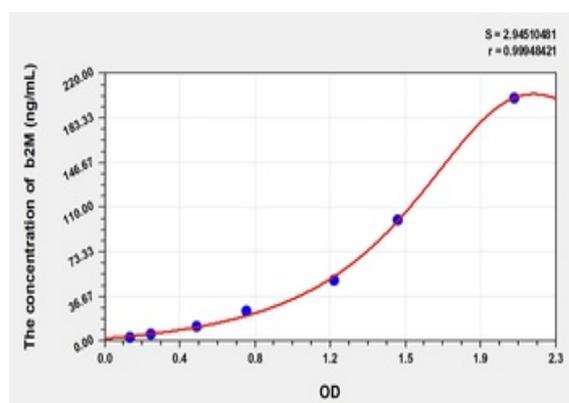
Serum, plasma, urine and other biological fluids

**Note**

For research use only

**Expiration Date**

Please enquire.

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