

Product Datasheet

Sheep Melatonin (MT) ELISA Kit (orb1736709)

Catalog Number orb1736709

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Sheep MT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep MT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Sheep MT in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Sheep

Range 15.63-1000 pg/mL

Concentration 1000 pg/mL

Note For research use only

Application notes standard: 1000 pg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Sheep MT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep MT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Sheep MT in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types serum, plasma and other biological fluids

Assay Time 2.5h

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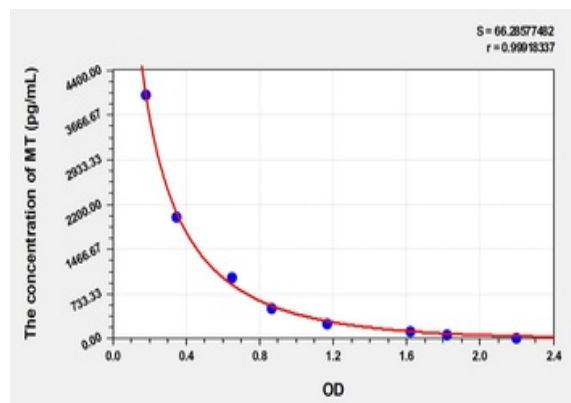
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Sensitivity 5.14 pg/mL

Expiration Date Please enquire.

**Biorbyt Ltd.**

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