

## Product Datasheet

### Mouse Melatonin (MT) ELISA Kit (orb1146852)

<b>Catalog Number</b>	orb1146852
<b>Category</b>	Assays and Kits
<b>Description</b>	<p>This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Melatonin(MT) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Melatonin(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 450nm <math>\pm</math> 10nm. The concentration of Melatonin(MT) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Mouse
<b>Concentration</b>	1000 pg/mL
<b>Application notes</b>	<p>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 Mouse MT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 450nm <math>\pm</math> 10nm. The concentration of Mouse MT in the samples is then determined by comparing the OD of the samples to the standard curve</p>
<b>Assay Type</b>	Competitive
<b>Assay Time</b>	2h
<b>Range</b>	15.63-1000 pg/mL

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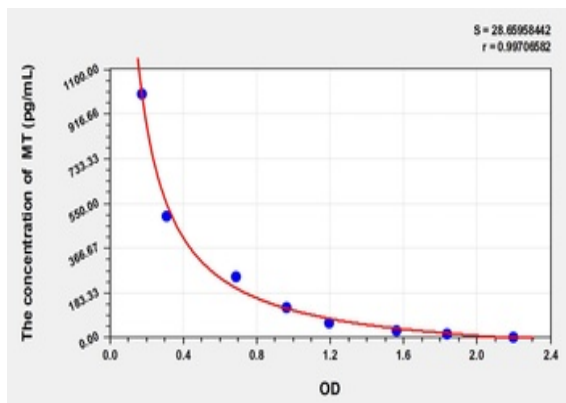
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<b>Sensitivity</b>	4.89 pg/mL
<b>Sample Types</b>	serum, plasma and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	Please enquire.

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