



Rat Melatonin (MT)ELISA Kit

Product Code	CSB-E13433r
Abbreviation	MT
Target Name	Melatonin (MT)
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma
Detection Range	12.5 pg/mL-500 pg/mL
Sensitivity	12.5 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Epigenetics and Nuclear Signaling
Tag Info	quantitative
Protein Description	Competitive

Description

The rat melatonin ELISA kit is a valuable tool for researchers working with rat samples, offering a detection range of 12.5 pg/mL to 500 pg/mL and a sensitivity of 12.5 pg/mL. Based on a competitive measurement principle, this quantitative assay provides results within 1 to 5 hours, requiring a sample volume of 50-100 µl. The kit operates at a detection wavelength of 450 nm, ensuring accurate measurements of melatonin levels in serum and plasma samples. With its application in over 12 papers, this ELISA kit has been instrumental in various studies involving melatonin, such as assessing sperm quality, investigating blast-induced sleep disruptions, and exploring the effects of melatonin on oxidative-antioxidative status in diabetic rats.