

Melatonin (MT) ELISA Kit-Competitive

Cat. No.: EK2F180

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic General Melatonin (MT) ELISA Kit-Competitive is designed for the quantitative determination of General Melatonin (MT) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for General MT.
Target Species	General
Species Reactivity	General
Detection Range	15.63-1000 pg/mL
Sensitivity	4.94 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Melatonin is a hormone that plays a role in sleep and helps regulate circadian rhythms. Typically, melatonin production increases in the evening after sunset. Melatonin levels are higher at night and lower in bright daylight. It helps your body recognize when it's time to sleep and wake up. Its levels naturally fluctuate throughout the day and night, helping regulate our body clock. Research and safety considerations are important when using melatonin.

Target/Biomarker	General MT
Target Synonym	N-Acetyl-5-Methoxytryptamine

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.