

Datasheet for ABIN2648821

Serotonin ELISA Kit

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Overview

Quantity:	96 tests
Target:	Serotonin (5-HT)
Reactivity:	Chemical
Application:	ELISA

Product Details

Sample Type:	Serum, Plasma, Urine, Cerebrospinal Fluid
Detection Method:	Colorimetric
Sensitivity:	5 ng/mL
Characteristics:	<p>Serotonin (5-Hydroxytryptamine), a biogenic amine, is a product of the tryptophan metabolism. It is a well evaluated neurotransmitter of the central nervous system and can be found in high concentrations in the chromaffine cells of the intestinal mucosa, in the platelets and the serotonergic neurones of the brain. Central-serotonergic neurons influence physiological functions such as sleep and the hormonal and cardio-vascular regulation. Increased serum levels can be found with malignant carcinoid, endogenous depression and schizophrenia.</p>

Target Details

Target:	Serotonin (5-HT)
Alternative Name:	Serotonin (5-HT Products)
Target Type:	Chemical

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Sample Volume:	10 µL
Assay Time:	2.5 h
Plate:	Pre-coated
Protocol:	The competitive Serotonin ELISA kit uses the microtiter plate format. Serotonin is bound to the solid phase of the microtiter plate. Acylated serotonin and solid phase bound serotonin compete for a fixed number of antiserum binding sites. When the system is in equilibrium, free antigen and free antigen-antiserum complexes are removed by washing. The antibody bound to the solid phase serotonin is detected by anti-rabbit/peroxidase. The substrate TMB / peroxidase reaction is monitored at 450 nm. The amount of antibody bound to the solid phase serotonin is inversely proportional to the serotonin concentration of the sample.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
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