

Chicken 5-Hydroxytryptamine (5-HT) ELISA Kit-Competitive

Cat. No.: EK1F369

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Chicken 5-Hydroxytryptamine (5-HT) ELISA Kit-Competitive is designed for the quantitative determination of Chicken 5-Hydroxytryptamine (5-HT) 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 Chicken 5-HT.
Target Species	Chicken
Species Reactivity	Chicken
Detection Range	14.07-900 ng/mL
Sensitivity	3.97 ng/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

5-Hydroxytryptamine (5-HT), also known as serotonin, is a monoamine neurotransmitter. It plays diverse roles in the body, including mood and emotions, sleep regulation, appetite control, cognition and memory, pain perception, and gastrointestinal function. It is produced in the brainstem's raphe nuclei, enterochromaffin cells in the gastrointestinal tract, and other tissues. In the chicken gastrointestinal tract, 5-HT causes contraction of the proventriculus via 5-HT_{2C}-like receptors present on smooth muscle.

Target/Biomarker	Chicken 5-HT
Target Synonym	5HT; Serotonin; N-Methyl-Gamma

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.