

Bovine 5-Hydroxyindoleacetic Acid (5-HIAA) ELISA Kit-Competitive

Cat. No.: EK2F258

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Bovine 5-Hydroxyindoleacetic Acid (5-HIAA) ELISA Kit-Competitive is designed for the quantitative determination of Bovine 5-Hydroxyindoleacetic Acid (5-HIAA) 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 Bovine 5-HIAA.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	6.26-400 ng/mL
Sensitivity	1.93 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-Hydroxyindoleacetic acid (5-HIAA) is the main metabolite of serotonin. 5-Hydroxyindoleacetic acid (5-HIAA), the primary metabolite of serotonin (5-HT), plays a crucial role in chemical analysis of urine samples to determine serotonin levels in the body. Clinically, it is most frequently tested for the diagnosis of carcinoid tumors arising from the enterochromaffin (Kultschitzky) cells of the small intestine, which release substantial amounts of serotonin. Research has shown that bovine aortic endothelial cells maintained in tissue culture are capable of transporting serotonin with subsequent production of 5-HIAA.

Target/Biomarker	Bovine 5-HIAA
Target Synonym	5HIAA

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.