

5-Methoxytryptophan (5-MTP) ELISA Kit-Competitive

Cat. No.: EK8F383

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic 5-Methoxytryptophan (5-MTP) ELISA Kit-Competitive is designed for the quantitative determination of General 5-MTP 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 5-MTP.
Target Species	General
Species Reactivity	General
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

5-Methoxytryptophan (5-MTP) is an endothelial factor known for its anti-inflammatory effects. It is produced from L-tryptophan through two enzymatic steps involving tryptophan hydroxylase-1 (TPH-1) and hydroxyindole O-methyltransferase. 5-MTP aids in preserving endothelial barrier integrity and facilitates endothelial repair. Additionally, it prevents the migration and proliferation of vascular smooth muscle cells by inhibiting the activation of p38 MAPK.

Target/Biomarker	General 5-MTP
Target Synonym	5-Methoxytryptophan; 5-MTP; 5-methoxy-L-tryptophan; L-5-Methoxytryptophan

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.