

Equine Inositol Triphosphate (IP3) ELISA Kit-Competitive

Cat. No.: EK1F805

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Equine Inositol Triphosphate (IP3) ELISA Kit-Competitive is designed for the quantitative determination of Equine Inositol Triphosphate (IP3) 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 Equine IP3.
Target Species	Equine
Species Reactivity	Equine
Detection Range	156.26-10000 pg/mL
Sensitivity	49.3 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

Inositol Triphosphate (IP3) is an inositol phosphate signaling molecule that plays a key role in signal transduction in biological cells. IP₃ is generated by the hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP₂), a phospholipid primarily located in the plasma membrane. The enzyme responsible for this hydrolysis is phospholipase C (PLC). Together with diacylglycerol (DAG), IP₃ acts as a second messenger molecule in signal transduction.

Target/Biomarker	Equine IP3
Target Synonym	InsP3; Inositol 1,4,5-Trisphosphate; Triphosphoinositol

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.