

Canine Hydroxyproline (Hyp) ELISA Kit-Competitive

Cat. No.: EK2F275

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Canine Hydroxyproline (Hyp) ELISA Kit-Competitive is designed for the quantitative determination of Canine Hydroxyproline (Hyp) 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 Canine Hyp.
Target Species	Canine
Species Reactivity	Canine
Detection Range	78.13-5000 ng/mL
Sensitivity	26.3 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

Hydroxyproline is an amino acid which is vital for the production of collagen, a key component of connective tissues like skin, tendons, and bones. Hydroxyproline was first isolated by Hermann Emil Fischer from hydrolyzed gelatin in 1902. It differs from proline by the presence of a hydroxyl (OH) group attached to the gamma carbon atom. As a crucial building block, hydroxyproline supports structural integrity and facilitates healing processes throughout the body. It can be used as a marker of collagen in dogs.

Target/Biomarker	Canine Hyp
Target Synonym	(2S,4R)-4-Hydroxyproline; L-Hydroxyproline(C ₅ H ₉ O ₃ N)

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.