

Canine Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) ELISA Kit-Sandwich

Cat. No.: EK12F973

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) ELISA Kit-Sandwich is designed for the quantitative determination of Canine Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Canine UCHL1.
Target Species	Canine
Species Reactivity	Canine
Detection Range	0.79-50 ng/mL
Sensitivity	0.27 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Ubiquitin carboxyl-terminal esterase-L1 (UCHL1) is a protein that is highly selectively expressed in neurons and has been implicated in neurodegenerative diseases in humans. Researchers have shown that UCHL1 is an effective serum biomarker of brain injury in canine models of hypothermic circulatory arrest (HCA) and cardiopulmonary bypass. It plays a role in maintaining a stable pool of monoubiquitin, essential for the ubiquitin-proteasome and autophagy-lysosome pathways.

Target/Biomarker	Canine UCHL1
Target Synonym	PARK5; PGP9.5; Uch-L1; Neuron cytoplasmic protein 9.5; Ubiquitin thioesterase L1; Ubiquitin carboxyl-terminal hydrolase isozyme L1
Gene ID	479098

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.