

## Canine Ceruloplasmin (CP) ELISA Kit-Sandwich

**Cat. No.:** EK12F978

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Canine Ceruloplasmin (CP) ELISA Kit-Sandwich is designed for the quantitative determination of Canine Ceruloplasmin (CP) 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 CP.
Target Species	Canine
Species Reactivity	Canine
Detection Range	0.79-50 ng/mL
Sensitivity	0.32 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

Ceruloplasmin (Cp) is an  $\alpha$ 2-glycoprotein that is considered one of the major positive acute phase proteins in the dog. Ceruloplasmin is the major copper-carrying protein in the blood. It plays a role in iron metabolism. It also plays an important role in protecting host tissues from toxic oxygen metabolites released by phagocytic cells during inflammatory conditions and is also involved in copper transport and antioxidant defense.

Target/Biomarker	Canine CP
Target Synonym	CP2; CER; Caeruloplasmin; Ferroxidase; Oxygen Oxidoreductase
Gene ID	<a href="#">442963</a>

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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## Reference

Cerón, J. J.; Martínez-Subiela, S. An automated spectrophotometric method for measuring canine ceruloplasmin in serum. *Veterinary research*. 2004, 35: 671-679.

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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.