

Ovine Creatine Phosphate (CP) ELISA Kit-Competitive

Cat. No.: EK1F695

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Ovine Creatine Phosphate (CP) ELISA Kit-Competitive is designed for the quantitative determination of Ovine Creatine Phosphate (CP) 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 Ovine CP.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	156.26-10000 ng/mL
Sensitivity	49.3 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

Creatine phosphate (CP) is a phosphorylated form of creatine that serves as a rapidly mobilizable reserve of high-energy phosphates in skeletal muscle, myocardium and the brain to recycle adenosine triphosphate, the energy currency of the cell. Increase of creatine phosphate levels saves raw materials and energy substances for protein synthesis, and energy supply beyond requirements so that it reduces food intake.

Target/Biomarker	Ovine CP
Target Synonym	CP; Creatine Phosphate; Phosphorylcreatine; Creatine-P; Phosphagen; Fosfocreatine

Shipping and Storage

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

Reference

Zhang, S. *et al.* Effects of dietary guanidinoacetic acid on growth performance, guanidinoacetic acid absorption and creatine metabolism of lambs. *PloS one*. 2022, 17: e0264864.

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.