

Caprine Citrulline ELISA Kit-Competitive

Cat. No.: EK1F545

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Caprine Citrulline (Citrulline) ELISA Kit-Competitive is designed for the quantitative determination of Caprine Citrulline (Citrulline) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

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| Assay Type | ELISA-Competitive |
| Specificity | The assay kit is specific for Caprine Citrulline. |
| Target Species | Caprine |
| Species Reactivity | Caprine |
| Detection Range | 1.57-100 ng/mL |
| Sensitivity | 0.51 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

Citrulline, also known as L-citrulline, is a non-essential amino acid produced in the liver and intestine. Citrulline is an essential player in the urea cycle, which helps the body eliminate harmful substances like ammonia. It acts as an intermediate, aiding in the conversion of ammonia into urea, which can be safely excreted. Citrulline is metabolized in mammary tissue by way of arginine to urea, ornithine and proline.

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| Target/Biomarker | Caprine Citrulline |
| Target Synonym | Citrulline |

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.