

Mouse Symmetric Dimethylarginine (SDMA) ELISA Kit-Competitive

Cat. No.: EK4F26

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Mouse Symmetric Dimethylarginine (SDMA) ELISA Kit-Competitive is designed for the quantitative determination of Mouse SDMA in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, 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 Mouse SDMA.
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.5-40 µmol/L
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Mouse SDMA is a small molecule metabolic byproduct utilized in murine research as a highly sensitive marker for renal function. Formed via the post-translational methylation of arginine by PRMT enzymes, it is released into the blood and cleared primarily through glomerular filtration. In laboratory mouse models, SDMA provides a precise measurement of the Glomerular Filtration Rate (GFR) that is independent of body weight or muscle wasting, making it an essential tool for studying acute kidney injury and chronic renal disease progression.

Target/Biomarker	Mouse SDMA
Target Synonym	Symmetric Dimethylarginine; SDMA

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.