

Mouse Vimentin (VIM) ELISA Kit-Sandwich

Cat. No.: EK5F691

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Vimentin (VIM) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse VIM in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, 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 Mouse Vimentin (VIM).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.32-20 ng/mL
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

Vimentins are class-III intermediate filaments prevalent in various non-epithelial cells, particularly within mesenchymal cells. They are connected to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Vimentin plays a crucial role in cell directional movement, orientation, organization of cell sheets, and the polarization of the Golgi complex at the forefront of cell migration. In mice, vimentin's function is primarily observed in its influence on intestinal inflammation and tumorigenesis. Research indicates that vimentin has a suppressive effect on inflammation and tumor development in the intestines of mice.

Target/Biomarker	Mouse VIM
Target Synonym	Vim; Vimentin
Gene ID	22352
UniProt ID	P20152

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.