

Mouse Matrix Metalloproteinase 15 (MMP15) ELISA Kit-Sandwich

Cat. No.: EK5F574

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Matrix Metalloproteinase 15 (MMP15) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse MMP15 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 Matrix Metalloproteinase 15 (MMP15).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	78.25-5000 pg/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

Matrix metalloproteinase-15 is an endopeptidase capable of degrading various components of the extracellular matrix and may activate progelatinase A. In mice, the functions of MMP-15 are complex and wide-ranging, potentially playing roles in regulating inflammation and immune response and being involved in biological processes such as tumor development, pregnancy pathology, and cell apoptosis. In the experimental autoimmune encephalomyelitis (EAE) model, MMP-15 expression was notably downregulated. Studies have shown that EAE-induced microglia exhibit significantly reduced levels of MMP-15, suggesting that MMP-15 may have a protective role in the progression of central nervous system inflammation.

Target/Biomarker	Mouse MMP15
Target Synonym	SMCP-2; MTMMP2; MT2-MMP; Membrane-Inserted; Membrane-type matrix metalloproteinase 2; Membrane-type-2 matrix metalloproteinase
Gene ID	17388

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.