

## Mouse Lysozyme (LZM) ELISA Kit-Sandwich

**Cat. No.:** EK5F382

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Lysozyme (LZM) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse LZM 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 Lysozyme (LZM).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.17-10 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

Lysozyme is an enzyme with antibacterial properties that targets bacteria by breaking down the peptidoglycan in their cell walls. In mice, lysozyme is vital for immune defense and tissue maintenance. The mouse lysozyme genes are classified into two types, M and P, each encoding distinct lysozyme proteins. These two types are expressed in different tissues with varying biological roles; for instance, M-type lysozyme is primarily found in lung tissue, whereas P-type lysozyme is expressed in other tissues. Additionally, lysozyme may play a role in regulating bone development.

Target/Biomarker	Mouse LZM
Target Synonym	LYZ; Renal Amyloidosis; N-Acetylmuramide Glycanhydrolase; Muramidase; 1;4-beta-N-acetylmuramidase C

### Shipping and Storage

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

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## Reference

Alam, Md Suhail *et al.* "Genomic expression analyses reveal lysosomal, innate immunity proteins, as disease correlates in murine models of a lysosomal storage disorder." *PloS one* vol. 7,10 (2012): e48273.

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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.