

Mouse Lymphotoxin Beta (LTb) ELISA Kit-Sandwich

Cat. No.: EK5F726

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Lymphotoxin Beta (LTb) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse LTb 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 Lymphotoxin Beta (LTb).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	15.7-1000 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

Lymphotoxin-beta is a cytokine that interacts with LTBR/TNFRSF3 and may have a specific role in regulating immune responses. It acts as the membrane anchor, facilitating the attachment of the heterotrimeric complex to the cell surface. When Lymphotoxin-beta forms a heterodimeric complex with Lymphotoxin-alpha, it is crucial for the development of lymphoid organs like lymph nodes and the spleen, by engaging with the LT beta receptor (LT beta R). Mice deficient in LT-beta exhibit significant abnormalities in lymphoid organ development, including the absence of lymph nodes, an abnormal spleen structure, and the loss of Peyer's patches.

Target/Biomarker	Mouse LTb
Target Synonym	LT-B; p33; TNFC; TNF-C; TNFSF3; Tumor necrosis factor ligand superfamily member 3; Tumor Necrosis Factor C
Gene ID	16994

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.