

Mouse Transferrin (TRF) ELISA Kit-Sandwich

Cat. No.: EK5F10

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Transferrin (TRF) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse TRF 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 Transferrin (TRF).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	1.56-100 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

Transferrins are proteins that transport iron by binding two Fe³⁺ ions, typically alongside an anion such as bicarbonate. They facilitate the movement of iron from absorption sites and heme breakdown to areas where iron is stored and used. Additionally, serum transferrin may play a role in promoting cell proliferation. Transferrin has multiple functions in mice, including maintaining iron homeostasis, supporting hematopoiesis, modulating immune responses, and protecting liver health. Dysregulation of these functions may lead to a variety of diseases, such as iron overload, liver fibrosis, and hematopoietic disorders.

Target/Biomarker	Mouse TRF
Target Synonym	TF; Siderophilin; Serotransferrin; Beta-1 metal-binding globulin
Gene ID	22041
UniProt ID	Q92111

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.