

Mouse Thrombospondin 3 (THBS3) ELISA Kit-Sandwich

Cat. No.: EK6F251

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Thrombospondin 3 (THBS3) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse THBS3 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 Thrombospondin 3 (THBS3).
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

Thrombospondin-3 (TSP3) is an adhesive glycoprotein that plays a crucial role in facilitating cell-to-cell and cell-to-matrix interactions. It has the ability to bind to various extracellular matrix components, including fibrinogen, fibronectin, laminin, and type V collagen. Studies on TSP3 knockout mice have revealed significant abnormalities in skeletal development, such as altered bone geometry, changes in mechanical properties, and accelerated development of the femoral head. These mice exhibit increased bone weight, an expanded cortical bone area, and an earlier onset of vascular invasion and bone formation. The expression of the TSP3 gene is regulated by its neighboring gene, Metaxin, through a long-range regulatory mechanism involving a far upstream enhancer located within intron 6 of the Metaxin gene.

Target/Biomarker	Mouse THBS3
Target Synonym	TSP3
Gene ID	21827

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.