

Mouse Pleiotrophin (PTN) ELISA Kit-Sandwich

Cat. No.: EK5F724

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Pleiotrophin (PTN) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse PTN 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 Pleiotrophin (PTN).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	7.82-500 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

Pleiotrophin is a secreted growth factor that transmits its signals through cell-surface proteoglycan and non-proteoglycan receptors. It binds to cell-surface proteoglycan receptors via their chondroitin sulfate (CS) groups. In mice, PTN exhibits a remarkable spatiotemporal expression pattern during embryonic development. Initially, in the early embryonic stages, PTN is predominantly expressed in the neural plate and notochord, gradually shifting to specific areas of the central nervous system, such as gray and white matter, as development progresses. Additionally, PTN is involved in the proliferation and differentiation of fetal alveolar epithelial cells.

Target/Biomarker	Mouse PTN
Target Synonym	HARP; HBGF8; HBNF; NEGF1; Heparin Binding Growth Factor 8; Neurite Growth-Promoting Factor 1; Heparin Affin Regulatory Peptide; Heparin Binding Growth Associated Molecule
Gene ID	19242

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.