

## Mouse Nodal Homolog (NODAL) ELISA Kit-Sandwich

**Cat. No.:** EK6F237

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Nodal Homolog (NODAL) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse NODAL 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 Nodal Homolog (NODAL).
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

Nodal is a critical factor in mesoderm formation and axial patterning during embryonic development. In mice, Nodal fulfills multiple roles, including regulating the patterning of the anterior-posterior (A-P) and left-right (L-R) axes, promoting mesoderm differentiation, and influencing organ asymmetry. Nodal signaling is particularly vital in establishing left-right asymmetry in mouse embryos. On the left side of the embryo, Nodal signaling is amplified, driving the asymmetric expression of genes such as Lefty and Pitx2. This asymmetry is determined by the directional flow of fluid at the node, which is generated by the rotational movement of nodal cilia. These processes highlight the indispensable role of Nodal in orchestrating embryonic development and establishing body plan asymmetry.

Target/Biomarker	Mouse NODAL
Target Synonym	HTX5; MGC138230; Nodal
Gene ID	<a href="#">18119</a>

**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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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.