

## Mouse Collagen Type III Alpha 1 (COL3a1) ELISA Kit-Sandwich

**Cat. No.:** EK6F563

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Collagen Type III Alpha 1 (COL3a1) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse COL3a1 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 Collagen Type III Alpha 1 (COL3a1).
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

Collagen type III is prevalent alongside type I collagen in most soft connective tissues and plays a crucial role in regulating cortical development. It serves as the primary ligand for ADGRG1 in the developing brain, where its binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by coupling ADGRG1 with GNA13 and possibly GNA12. In mice, type III collagen is abundant in various organs and tissues, including the skin, lungs, blood vessels, uterus, and intestines. It is vital for early embryonic development and remains an essential component of connective tissue in adults.

Target/Biomarker	Mouse COL3a1
Target Synonym	COL3-A1; COL3A1; EDS4A; Collagen Type III Alpha 1; Ehlers-Danlos Syndrome Type IV Autosomal Dominant; Collagen Alpha-1(III)chain
Gene ID	<a href="#">12825</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.