

Rabbit Collagen Type I Alpha 2 (COL1A2) ELISA Kit-Sandwich

Cat. No.: EK3F145

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Rabbit Collagen Type I Alpha 2 (COL1A2) ELISA Kit-Sandwich is designed for the quantitative determination of Rabbit COL1A2 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 Rabbit COL1A2
Target Species	Rabbit
Species Reactivity	Rabbit
Detection Range	0.33-20 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

COL1A2, along with COL1A1 (collagen type I, alpha 1 chain), forms the triple-helical structure of type I collagen. Type I collagen provides tensile strength and structural support to tissues like bone, skin, tendons, and ligaments. COL1A2 contributes to the overall organization and integrity of the ECM. It plays a role in tissue development, repair, and remodeling. Type I collagen is part of group I collagen, known for forming fibrils. It is encoded by the *COL1A2* gene. This gene produces multiple messages due to the presence of multiple polyadenylation signals, a characteristic common to most other collagen genes.

Target/Biomarker	Rabbit COL1A2
Target Synonym	COL1-A2; OI4; Collagen Alpha-2(I)chain; osteogenesis imperfecta type IV; Collagen Of Skin,Tendon And bone,Alpha-2 Chain
Gene ID	100008997

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.