

Chicken Collagen Type I Alpha 2 (COL1a2) ELISA Kit-Sandwich

Cat. No.: EK1F341

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Chicken Collagen Type I Alpha 2 (COL1a2) ELISA Kit-Sandwich is designed for the quantitative determination of Chicken Collagen Type I Alpha 2 (COL1a2) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, 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 Chicken COL1a2.
Target Species	Chicken
Species Reactivity	Chicken
Detection Range	0.16-10 ng/mL
Sensitivity	0.264 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Collagen type I alpha 2 is encoded by the *COL1a2* gene in chickens. It is also known as Collagen Type I Alpha 2 Chain. This gene encodes one of the chains for type I collagen, which is abundant in various connective tissues, including bone, skin, tendons, and cornea. Mutations in the COL1A2 gene are associated with conditions such as osteogenesis imperfecta (types I-IV), Ehlers-Danlos syndrome, and idiopathic osteoporosis.

Target/Biomarker	Chicken 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	396243

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.