

Bovine Collagen Type X (COL10) ELISA Kit-Sandwich

Cat. No.: EK1F336

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Collagen Type X (COL10) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Collagen Type X (COL10) 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 Bovine COL10.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	1.57-100 ng/mL
Sensitivity	0.81 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 X is one of the major collagens. It is a short-chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. It has a short triple helical collagen domain flanked by the N-terminal NC2 and the C-terminal NC1 domains. Bovine collagen type X has been identified in organ culture of hypertrophic cartilage after radioactive labeling as a high Mr disulfide-linked component which, after reduction, gives rise to an alpha chain of Mr 63,000.

Target/Biomarker	Bovine COL10
Target Synonym	COL10A1; COL10-A1; Schmid Metaphyseal Chondrodysplasia; Collagen Alpha-1(X) chain

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.