

Rabbit Aggrecan (AGC) ELISA Kit-Sandwich

Cat. No.: EK3F220

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Rabbit Aggrecan (AGC) ELISA Kit-Sandwich is designed for the quantitative determination of Rabbit AGC 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 AGC
Target Species	Rabbit
Species Reactivity	Rabbit
Detection Range	0.63-40 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

Aggrecan core protein is a key component of the extracellular matrix in cartilaginous tissues, primarily functioning to resist compression in cartilage. It strongly binds to hyaluronic acid through its N-terminal globular region and may have a regulatory role in cartilage matrix assembly. In rabbits, the *ACAN* gene encodes the aggrecan core protein. During cartilage tissue repair in rabbits, the expression level and structural integrity of Aggrecan core proteins have an important impact on the repair outcome. Degradation of Aggrecan core proteins is one of the important mechanisms leading to degenerative changes in cartilage in pathological states such as arthritis.

Target/Biomarker	Rabbit AGC
Target Synonym	ACAN; AGC1; AGCAN; CSPG1; CSPCP; CSPGCP; MSK16; SEDK; Cartilage-specific proteoglycan core protein; Large Aggregating Proteoglycan; Chondroitin Sulfate Proteoglycan 1

Gene ID [100009079](#)

UniProt ID [Q28670](#)

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.