

Recombinant Anti-COL2A1 Antibody (V3S-1022-YC603)

Cat. No.: V3S-1022-YC603

Summary

Description	This product is a recombinant human antibody provided by CreativeBiolabs. The antibody is specific for Collagen Type II Alpha 1 Chain, COL2A1 transcripts was colocalized in discrete areas of the brain. It can be used for COL2A1 detection in Enzyme-Linked Immunosorbent Assay. It was expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultrapurified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Human
Target Species	Human
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635

Property

Expression Species	HEK293F or CHO Cell line
Conjugation	Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Purified with Protein A or G affinity chromatography
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application ELISA

Target

Target COL2A1

Alternative Name Collagen Type II Alpha 1 Chain; Arthroophthalmopathy, Progressive (Stickler Syndrome); Collagen, Type II, Alpha 1; Alpha-1 Type II Collagen; Collagen, Type II, Alpha 1 (Primary Osteoarthritis, Spondyloepiphyseal Dysplasia, Congenital); Collagen II, Alpha-1 Polypeptide; Collagen Alpha-1(II) Chain; Collagen Type II Alpha 1

Gene ID [1280](#)

UniProt [P02458](#)

Introduction COL2A1 is a human gene that provides instructions for the production of the pro-alpha1(II) chain of type II collagen.

Research Area Signal Pathway; Neuroscience

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