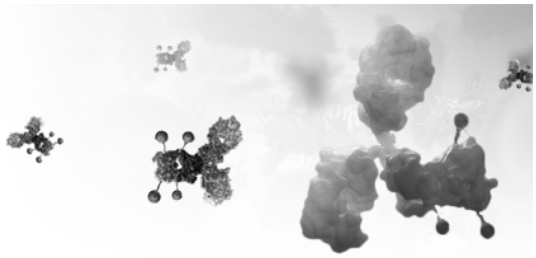

Mouse anti-Human COL5A3 monoclonal antibody, clone 5C9 (CABT-B10014)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	COL5A3 (NP_056534, 157 a.a. ~ 245 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5C9
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	EMVTLVADCEAQPPVLGHGPRFISIAGLTVLGTQDLGEKTFEGDIQELLISPDPQAAFQA CERYLPDCDNLAPAATVAPQGEPETPRP*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains.

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	Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are thought to be responsible for the symptoms of a subset of patients with Ehlers-Danlos syndrome type III. Messages of several sizes can be detected in northern blots but sequence information cannot confirm the identity of the shorter messages. [provided by RefSeq, Jul 2008]
Keywords	COL5A3; collagen, type V, alpha 3; collagen alpha-3(V) chain; pro-(alpha)3(V) collagen;

GENE INFORMATION

Entrez Gene ID	50509
UniProt ID	P25940
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem
Function	collagen binding; extracellular matrix structural constituent; heparin binding

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