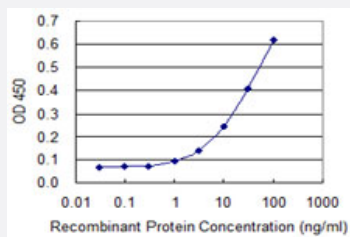


COL5A3 monoclonal antibody (M01), clone 4B8

Catalog # H00050509-M01

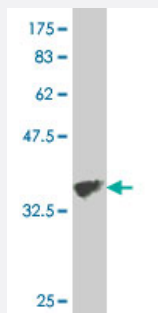
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged COL5A3 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.42 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant COL5A3.
Immunogen	COL5A3 (NP_056534, 157 a.a. ~ 244 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EMVTLVADCEAQPPVLGHGPRFISIAGLTVLGTQDLGEKTFEGDIQELLISPDPQAAAFQACERYLP DCDNLAPAATVAPQGEPETPRP
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (70); Rat (65)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.42 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged COL5A3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — COL5A3

Entrez GeneID	50509
GeneBank Accession#	NM_015719
Protein Accession#	NP_056534
Gene Name	COL5A3
Gene Alias	-
Gene Description	collagen, type V, alpha 3
Omim ID	120216
Gene Ontology	Hyperlink

Gene Summary

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. 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]

Other Designations

OTTHUMP00000195993|pro-(alpha)3(V) collagen

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)