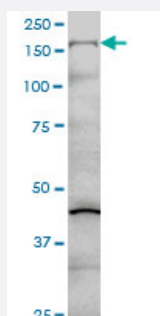


COL5A1 monoclonal antibody (M01), clone 2F4

Catalog # H00001289-M01

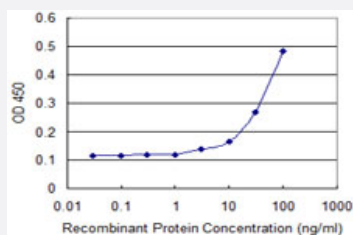
Size 100 ug

Applications



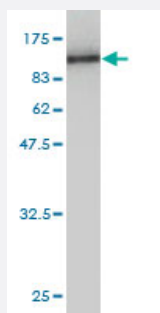
Western Blot (Cell lysate)

COL5A1 monoclonal antibody (M01), clone 2F4 Western Blot analysis of COL5A1 expression in HeLa S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged COL5A1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (90.53 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant COL5A1.

Immunogen	COL5A1 (AAH08760, 1 a.a. ~ 591 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGPPGPPGPRGPSGAPGADGPQGPPGGIGNPGAVGEKGEPGEAGEPGLPGEGGPPGPKGER GEKGESGPSGAAGPPGPKGPPGDDGPKGSPGPVGFPGDPGPPGEPGPAGQDGPPGDKGDD GEPGQTGSPGPTGEPGPSGPPGKRGPAGPEGRQGEKGAKGEAGLEGPPGKTGPIGPQGA PGKPGPDGLRGIPGVGEQGLPGSPGPDGPPGPMGPPGLPGLKGDSPKGEKGHPGLIGLIGP PGEQGEKGDRGLPGPQGSSGPKGEQGITGPSGPIGPPGPPGLPGPPGPKGAKGSSGPTGPKG EAGHPGPPGPPGPPGEVIQPLPIQASRTRRNIDASQLLDDNGENYVDYADGMEEIFGSLNSLKL EIEQMKRPLGTQQNPARTCKDLQLCHPDFPDGEYWVDPNQGCSRDSFKVYCNFTAGGSTCVFP DKKSEGARITSWPKENPGSWFSEFKRGKLLSYVDAEGNPVGVVQMTFLRLLSASAHQNVYHCHY QSVAWQDAATGSYDKALRFLGSNDEEMSNDNNPYRALVDGCATKKGYQKTVLEIDTPKVEQVPI VDIMFNDFGEASQKFGFEVGPACFMG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (90.53 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 (Cell lysate)

COL5A1 monoclonal antibody (M01), clone 2F4 Western Blot analysis of COL5A1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged COL5A1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — COL5A1

Entrez GeneID [1289](#)

GeneBank Accession# [BC008760](#)

Protein Accession# [AAH08760](#)

Gene Name COL5A1

Gene Alias -

Gene Description collagen, type V, alpha 1

Omim ID [120215](#) [130000](#) [130010](#)

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 associated with Ehler s-Danlos syndrome, types I and II. [provided by RefSeq]

Other Designations OTTHUMP00000022513|OTTHUMP00000064637|alpha 1 type V collagen

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Connective Tissue Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Intervertebral Disk Displacement](#)
- [Knee Injuries](#)
- [Musculoskeletal Diseases](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Rupture](#)
- [Skin Diseases](#)
- [Tendinopathy](#)