

Mouse anti-Human COL1A1 Monoclonal Antibody | anti-COL1A1 antibody

Mouse Monoclonal Antibody to COL1A1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268951	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

COL1A1; Monoclonal Antibody; Mouse Monoclonal Antibody to COL1A1; COL1A1 Antibody; OI1; OI2; OI3; OI4; EDSC; EDSARTH1; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4E8G11
Form/Format	Purified antibody in PBS with 0.05% sodium azide
Sequence Positions	1219- 1464
Applicable Applications for anti-COL1A1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Immunogen	Purified recombinant fragment of human COL1A1 (AA:1219- 1464) expressed in E. Coli.

IMAGES



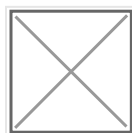
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells using COL1 A1 mouse mAb (green) and negative control (red).



WB (Western Blot)

Western blot analysis using COL1 A1 mAb against human COL1A1 (AA: 1219- 1464) recombinant protein. (Expected MW is 53.5 kDa).



ELISA

Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng).

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody	Description: This gene encodes the pro- alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril- forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I- IV, Ehlers- Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 1 7 and 2 2 , where this gene and the gene for platelet- derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	1277
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/col1a1-antibody-clone-4e8g11-immunofluorescence-flow-cytometry-western-blot-elisa/268951>