



Mouse anti-Human COL18A1 monoclonal antibody, clone LU69 (CABT-B10005)

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

PRODUCT INFORMATION

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| Immunogen | Recombinant protein corresponding to human COL18A1. |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | LU69 |
| Conjugate | Unconjugated |
| Applications | ELISA,sELISA |
| Format | Liquid |
| Size | 100 µl |
| Buffer | In PBS (0.1% sodium azide) |
| Storage | 4°C short term only, for routine storage, aliquot and freeze at -20°C |

BACKGROUND

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| Introduction | This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve |
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retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Mouse monoclonal antibody raised against recombinant COL18A1.

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| Keywords | COL18A1; collagen, type XVIII, alpha 1; collagen alpha-1(XVIII) chain; endostatin; procollagen, type XVIII, alpha 1; |
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GENE INFORMATION

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| Entrez Gene ID | 80781 |
| UniProt ID | P39060 |
| Pathway | Direct p53 effectors, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem |
| Function | extracellular matrix structural constituent; metal ion binding; protein binding |
