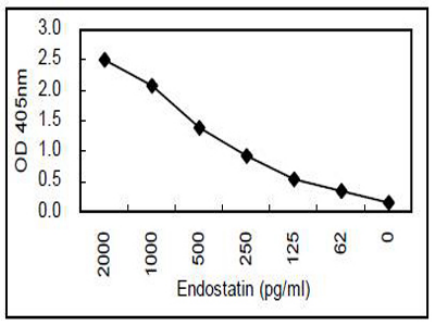
COL18A1 monoclonal antibody, clone KT58

Catalog # MAB9727 Size 100 uL

Applications



Sandwich ELISA

Sandwich ELISA using COL18A1 monoclonal antibody, clone KT58 (Cat # MAB9727) coated plate and HRP conjugated COL18A1 monoclonal antibody, clone KT60 (Cat # MAB9727).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant COL18A1.
Immunogen	Recombinant protein corresponding to human COL18A1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1Â
Recommend Usage	ELISA (1 ug/mL) Sandwich ELISA (5 ug/mL for coating) The optimal working dilution should be determined by the end user.
Storage Buffer	Phosphate-buffered saline (PBS) with 50% glycerol, 0.5% BSA and 0.09% sodium azide
Storage Instruction	Store at 4°C for 1 month. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Sandwich ELISA

  Sandwich ELISA using COL18A1 monoclonal antibody, clone KT58 (Cat # MAB9727) coated plate and HRP conjugated COL18A1 monoclonal antibody, clone KT60 (Cat # MAB9727).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL18A1

Entrez GeneID	80781
Gene Name	COL18A1
Gene Alias	FLJ27325, FLJ34914, KNO, KNO1, MGC74745
Gene Description	collagen, type XVIII, alpha 1
Omim ID	120328 267750
Gene Ontology	Hyperlink
Gene Summary	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) interr upted 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 retinal abnormalities, so type XVI II collagen may play an important role in retinal structure and in neural tube closure. Alternatively sp liced transcript variants encoding different isoforms have been found for this gene. [provided by R efSeq
Other Designations	OTTHUMP00000115472|OTTHUMP00000115473|alpha 1 type XVIII collagen|antiangiogenic ag ent|endostatin|multi-functional protein MFP

Disease

- Adenocarcinoma
- Asthma

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- Breast cancer
- Breast Neoplasms
- Diabetes
- Diabetes Mellitus
- Endometriosis
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hypersensitivity
- Leukemia
- Liver Cirrhosis
- Lung Neoplasms
- Multiple Myeloma
- Myopia
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Obesity
- Overweight
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Stomach Neoplasms
- Urinary Bladder Neoplasms
- Werner syndrome

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