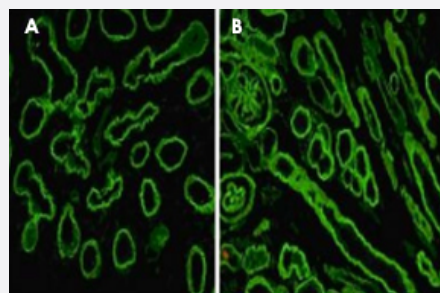


LAMA5 monoclonal antibody, clone 4B12

Catalog # MAB7872

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence staining on human embryonic lung alveolae epithelium (A) and kidney (B) with LAMA5 monoclonal antibody, clone 4B12 (Cat # MAB7872).

Specification

Product Description	Mouse monoclonal antibody raised against native LAMA5.
Immunogen	Laminin purified from human placenta.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	ELISA (0.125 ug/mL) Immunohistochemistry Immunofluorescence Immunoprecipitation (0.5 mgL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction

Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Immunohistochemistry

- Immunofluorescence

Immunofluorescence staining on human embryonic lung alveolae epithelium (A) and kidney (B) with LAMA5 monoclonal antibody, clone 4B12 (Cat # MAB7872).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LAMA5

Entrez GeneID[3911](#)**Gene Name**

LAMA5

Gene Alias

KIAA1907

Gene Description

laminin, alpha 5

Omim ID[601033](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Components of the extracellular matrix exert myriad effects on tissues throughout the body. In particular, the laminins, a family of heterotrimeric extracellular glycoproteins, affect tissue development and integrity in such diverse organs as the kidney, lung, skin, and nervous system. It is thought that laminins mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Laminins function as heterotrimeric complexes of alpha, beta, and gamma chains, with each chain type representing a different subfamily of proteins. The protein encoded by this gene belongs to the alpha subfamily of laminin chains and is a major component of basement membranes. Two transcript variants encoding different isoforms have been found for this gene, but the full-length nature of one of them has not been determined. [provided by RefSeq]

Other Designations

laminin alpha 5|laminin alpha-5 chain

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)