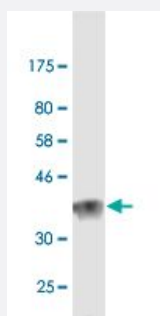


# LAMA2 monoclonal antibody (M02), clone 1A7

Catalog # H00003908-M02

Size 100 ug

## Applications



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

|                                      |                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant LAMA2.                                                |
| <b>Immunogen</b>                     | LAMA2 (NP_000417, 3013 a.a. ~ 3122 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | DAGVPGHLCDGQWHKVTANKIKHRIELTVDGNQVEAQSPNPASTSADTNDPVFVGGFPDDLKQ<br>FGLTTSIPFRGCIRSLKLTGKTGKPLEVNFKALELRGVQPVSPAN     |
| <b>Host</b>                          | Mouse                                                                                                                |
| <b>Reactivity</b>                    | Human                                                                                                                |
| <b>Interspecies Antigen Sequence</b> | Mouse (87)                                                                                                           |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                           |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) .             |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                    |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                             |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — LAMA2

Entrez GeneID [3908](#)

GeneBank Accession# [NM\\_000426](#)

Protein Accession# [NP\\_000417](#)

Gene Name LAMA2

Gene Alias LAMM

Gene Description laminin, alpha 2

Omim ID [156225 607855](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Laminin, an extracellular protein, is a major component of the basement membrane. It is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. It is composed of three subunits, alpha, beta, and gamma, which are bound to each other by disulfide bonds into a cross-shaped molecule. This gene encodes the alpha 2 chain, which constitutes one of the subunits of laminin 2 (merosin) and laminin 4 (s-merosin). Mutations in this gene have been identified as the cause of congenital merosin-deficient muscular dystrophy. Two transcript variants encoding different proteins have been found for this gene. [provided by RefSeq]

**Other Designations** OTTHUMP00000017189|laminin M|laminin alpha 2 subunit|merosin heavy chain

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)

- [Focal adhesion](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Leprosy](#)
- [Tobacco Use Disorder](#)