Product Information Sheet

# Monoclonal Anti-Laminin- Magnetic Bead Conjugate

**Catalogue No.** MA1054-M

**Lot No.** 08A12

**Clone:** LAM-26

**Ig type:** mouse IgG1

**Size:** 200µl

**Specificity**

Human, pig, feline.

No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

Human laminin.

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Formulation**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg $NaN_3$.

**Storage**

Store at 4˚C for frequent use.

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

## BACKGROUND

Laminin is a heterotrimeric extracellular matrix protein consisting of 3 chains: alpha-1,beta-1 and gamma-1, formerly called beta-2 (LAMA2). This gene is over 260, 000 base pairs and contains 64 exons. Laminin is similar with merosin, a basement membrane-associated protein found in placenta, striated muscle, and peripheral nerve, and both of them are members of the same family of basement membrane proteins. And merosin is the same as laminin M, a striated muscle-specific, basal-lamina-associated protein, it may play a primary role in the pathogenesis of that disorder.

## *REFERENCE*


1. Zhang, X.; Vuolteenaho, R.; Tryggvason, K. : Structure of the human laminin alpha-2-chain gene (LAMA2), which is affected in congenital muscular dystrophy. *J. Biol. Chem.* 271: 27664-27669, 1996.
2. Ehrig, K.; Leivo, I.; Argraves, W. S.; Ruoslahti, E.; Engvall, E. : Merosin, a tissue-specific basement membrane protein, is a laminin-like protein. *Proc. Nat. Acad. Sci.* 87: 3264-3268, 1990.
3. Arahata, K.; Hayashi, Y. K.; Mizuno, Y.; Yoshida, M.; Ozawa, E. : Dystrophin-associated glycoprotein and dystrophin co-localisation at sarcolemma in Fukuyama congenital muscular dystrophy. (Letter) *Lancet* 342: 623-624, 1993.




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