Product Information Sheet

Monoclonal Anti-Laminin

Catalogue No. MA1054

Lot No. 08A12

Clone: LAM-26

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, pig, feline.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

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Immunogen

Human laminin.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.25-0.5µg/ml with the appropriate system to detect laminin in cells and tissues.

Immunohistochemistry(P)

At 0.5-1µg/ml to detect laminin formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN_3 as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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.