Recombinant Laminin beta 1 Monoclonal Antibody

catalog number: AN301585L

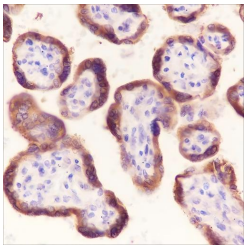
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

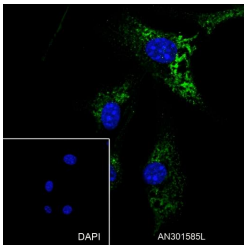
Reactivity	Human;Mouse
Immunogen	Recombinant human Laminin beta 1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A284
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:50-1:100
IF	1:500-1:1000
FCM	1:50-1:100

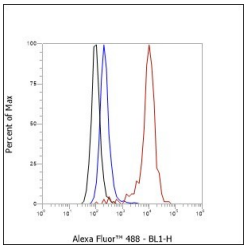
Data



Immunohistochemistry of paraffin-embedded Human placenta using Laminin beta 1 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed NIH-3T3 cells using anti-Laminin beta 1 Monoclonal Antibody at dilution of 1:1000.



Flow cytometric analysis of human Laminin beta 1 expression on A431 cells. Cells were stained with purified anti-Human Laminin beta 1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Involved in the organization of the laminar architecture of cerebral cortex. It is probably required for the integrity of the basement membrane/glia limitans that serves as an anchor point for the endfeet of radial glial cells and as a physical barrier to migrating neurons. Radial glial cells play a central role in cerebral cortical development, where they act both as the proliferative unit of the cerebral cortex and a scaffold for neurons migrating toward the pial surface.

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