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36-1395: Monoclonal Antibody to Laminin, gamma 1 (LAMC1)(Clone : A5) (discontinued)

Clonality :	Monoclonal
Clone Name :	A5
Application :	IHC,FACS,IF
Reactivity :	Human
Gene :	Lamc1
Uniprot ID :	P02468
Format :	Purified
Alternative Name :	LAMC1,LAMB2
Isotype :	Rat IgG2a, kappa
Immunogen Information :	Murine EHS laminin prepaRation

Description

Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of alpha , beta , and gamma chains. This MAb reacts with laminin B2/1 chain of ~210kDa and does not cross-react with other basement membrane components or fibronectin. Its specificity was established by immunoprecipitation and immunofluorescence of human skeletal muscle and kidney with laminin chain-specific MAbs. Epithelial sheets in vivo are separated from the mesenchymal elements of the stroma by a thin layer of a specialized type of extracellular matrix termed the basement membrane (BM). This structure consists of individual components, some of which are ubiquitous in BMs and some are not. The ubiquitous ones comprise laminin (LN), entactin/nidogen (EN), collagen type IV (CIV), and large heparan sulfate proteoglycan (HSPG), which interact specifically with each other to form a continuous and regular BM. Alterations of BM integrity, from local discontinuities up to complete loss, are described in many types of human and animal epithelial neoplasms. This MAb stains uniformly all human and murine basement membranes.

Product Info

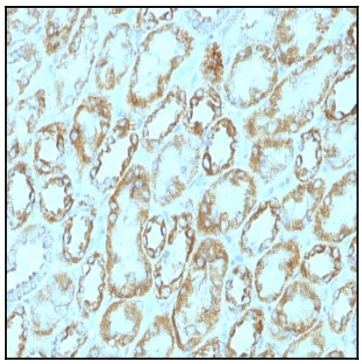
Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (0.5-1.0ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Laminin Monoclonal Antibody (A5).

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