

Rat Laminin (LAMC1) Monoclonal Antibody | anti-LAMC1 antibody

Laminin (LAMC1), Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77479	Rat	Human, Mouse, Swine.	Immunohistochemistry, Immunofluorescence, Immunocytochemistry

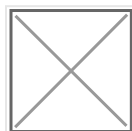
PRODUCT SYNONYMS

Laminin (LAMC1); Monoclonal Antibody; anti-LAMC1 antibody

PRODUCT SPECIFICATIONS

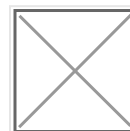
Host	Rat
Reactivity	Human, Mouse, Swine.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	A5
Specificity	A5 reacts with laminin.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-LAMC1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Source Note	A5 is a Rat monoclonal IgG2a antibody derived by fusion of Mouse myeloma cells with spleen cells from a Fisher Rat immunized with a laminin prepaRation from the EHS Mouse tumor.
Preparation and Storage	The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

IMAGES



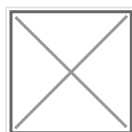
Application Data

Figure 4 - Detection of laminin in human kidney frozen tissue section using monoclonal Rat anti Laminin diluted 1:100



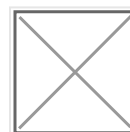
IHC (Immunohistochemisry)

Figure 3 - Detection of laminin in human kidney frozen tissue section using monoclonal Rat anti Laminin diluted 1:100



IF (Immunofluorescence)

Figure 2. Immunofluorescence staining of frozen sections from pig striated skeletal muscle (methanol fixed) showing the localization of laminin in the connective tissue and in basement membranes surrounding the myofibrils.



IF (Immunofluorescence)

Figure 1. Immunofluorescence staining of frozen sections from human colon (methanol fixed), showing the localization of laminin in the connective tissue and in basement membranes surrounding the epithelial crypts and villi.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMC1 antibody	Basement membrane components play an important role in cell adhesion, locomotion, differentiation and embryonic compartmentalization. Laminin anchors cells to the basement membrane through interactions with integrins at the cell surface and collagens in the basement membrane.
Product Categories/Family for anti-LAMC1 antibody	Cell adhesion; Extracellular matrix; Cancer
References	Ljubimov, A. V., Bartek, J., Couchman, J. R., Kapuller, L. L., Veselov, V. V., Kovarik, J., Perevoshchikov, A. G., and Krutovskikh, V. A. (1992). Distribution of individual components of basement membrane in Human colon polyps and adenocarcinomas as revealed by monoclonal antibodies. Int J Cancer 50, 562-66. Ljubimova, J.Y., Lakhter, A.J., Loksh, A., Yong, W.H., Riedinger, M.S., Miner, J.H., Sorokin, L.M., Ljubimov, A.V., Black, K.L. (2001). Overexpression of alpha4, chain-containing laminins in Human glial tumors identified by gene microarray analysis. Cancer Research 61, 5601-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34232
NCBI GeneID	3918
UniProt Accession #	Q13753; Q2M1N2
NCBI Official Full Name	Laminin
NCBI Official Synonym Full Names	laminin, gamma 2
NCBI Official Symbol	LAMC2
NCBI Official Synonym Symbols	B2T; CSF; EBR2; BM600; EBR2A; LAMB2T; LAMNB2; MGC138491; MGC141938
NCBI Protein Information	laminin subunit gamma-2; BM600-100kDa; nicein-100kDa; kalinin-105kDa; kalinin (105kD); ladsin (140kDa); nicein (100kDa); laminin B2t chain; OTTHUMP00000033550; OTTHUMP00000230852; CSF 140 kDa subunit; nicein subunit gamma; kalinin subunit gamma; ladsin 140 kDa subunit; epiligrin subunit gamma; laminin-5 subunit gamma; cell-scattering factor 140 kDa subunit; large adhesive scatter factor 140 kDa subunit
UniProt Protein Name	Laminin, gamma 2
UniProt Gene Name	LAMC2
UniProt Entry Name	Q2M1N2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.