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Product datasheet for AM32092PU-N

Laminin gamma 1 (LAMC1) Mouse Monoclonal Antibody [Clone ID: BC17]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BC17
Applications:	ELISA, IHC, IP
Recommended Dilution:	**ELISA.** **Immunoprecipitation.** **Immunohistochemical on Frozen Sections.** Does not work in Western blotting.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Pepsin-digested laminins from Human placenta. Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody recognizes the Mr 200,000 gamma-1-chain of Human reduced and Alkylated Laminin produced by various cultured cells, which produce Laminins complexed with it. The specificity of Mab *BC17* has been confirmed by **Immunoprecipitation** and **ELISA** by using recombinant gamma-1- chain. The antibody only reacts with Human cells and tissues (further studies are going on).
Formulation:	PBS State: Ig Fraction State: Liquid Ig fraction Stabilizer: 1.0% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	laminin subunit gamma 1

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Database Link: Entrez Gene 3915 Human
P11047

Background: Laminin, a major structural glycoprotein of the basement membranes, is an attachment and survival factor for epithelial cells and can also promote the growth of epithelial cells.

Laminin plays an important role in both the structural organization of basement membranes and in the anchorage of cells. The monoclonal antibody, *DG10* and *BC17* against laminin chain ß1 and γ1, respectively can be widely applied in immunohistochemical studies as all basement membranes contain laminin trimers containing these chains. Antibodies to laminin chains are useful in basic biology studies as well as in pathological studies concerning, for instance, the integrity of the basement membranes in carcinomas.

Synonyms: LAMC1, LAMB2, Laminin subunit gamma-1, Laminin B2 chain