

Product datasheet for **AM32093PU-N**

Laminin beta 1 (LAMB1) Mouse Monoclonal Antibody [Clone ID: DG10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DG10
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blotting: Clone <i>DG10</i> against Laminin β 1-chain is apparently one of the few laminin antibodies working perfectly in Immunoblotting , thus making it especially valuable for biochemical studies. Immunohistochemical on Frozen Sections Other immunoassays for cellular and tumor biology. Unlike many other Monoclonal antibodies to Ln β 1 chain this Mab clone <i>DG10</i> reacts strongly both under reducing and non-reducing conditions. Clone <i>DG10</i> has been successfully used to purify Ln-8 (ref.2) and Ln-10 (ref.6) by Affinity Chromatography .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Partially pepsin-digested laminins from Human placenta (ref.8). Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody recognizes the Mr 220000 β 1-chain of laminin. Clone <i>DG10</i> appears to react with the NH ₂ -terminus of the Ln β 1 chain (1). The antibody reacts with Human tissues.
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.



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Stability:	Shelf life: one year from despatch.
Gene Name:	laminin subunit beta 1
Database Link:	Entrez Gene 3912 Human P07942
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 β 1 and γ 1, 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. Clone <i>DG10</i> against Laminin β 1-chain is apparently one of the few laminin antibodies working perfectly in immunoblotting, thus making it especially valuable for biochemical studies.
Synonyms:	Laminin B1 chain, Laminin-1 subunit beta, Laminin-10 subunit beta, Laminin-12 subunit beta, Laminin-2 subunit beta, Laminin-6 subunit beta, Laminin-8 subunit beta