

Product datasheet for **AM02112PU-S**

Laminin 5 (LAMB3) Mouse Monoclonal Antibody [Clone ID: 6F12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6F12
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blot (See Ref.1) ELISA: This antibody is used as <i>Coating</i> antibody in Sandwich ELISA (See Ref.3,5) Immunohistochemistry on Cryo Sections (See Ref.2,4,6)
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human Laminin 5 beta 3 chain
Specificity:	This antibody detects Laminin 5.
Formulation:	PBS, pH 7.4 State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in aqua bidest to initial volume.
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	laminin subunit beta 3
Database Link:	Entrez Gene 3914 Human Q13751



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Background:

Laminins are basement membrane components thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. laminin 5 is a complex glycoprotein composed of three subunits (alpha, beta, and gamma). Laminin 5 is thought to be involved in cell adhesion, signal transduction and differentiation of keratinocytes. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa. Alternatively spliced transcript variants encoding different isoforms have been identified.

Synonyms:

LAMB3, LAMNB1, Laminin subunit beta-3, Laminin 5, Laminin B1k chain, Kalinin B1 chain

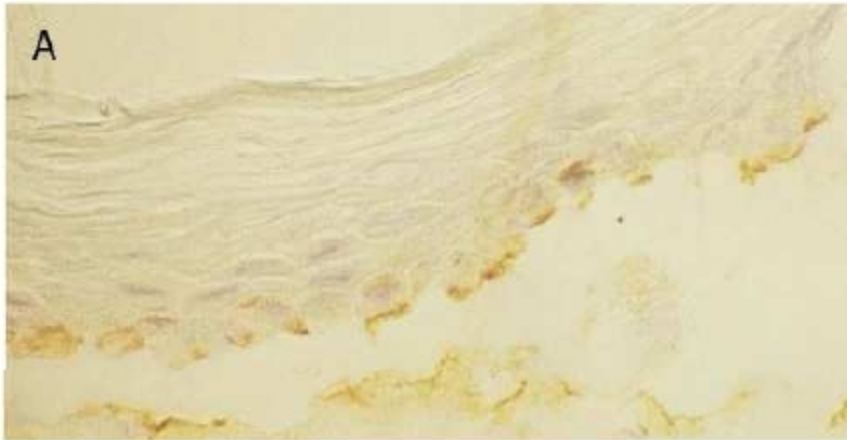
Product images:

Figure 1. Immunohistochemistry of Laminin 5 staining in Cryosection of bullous pemphigoid skin using Laminin 5 antibody Cat.-No AM02112PU. The sections was incubated with AM02112PU and detected using Avidin Biotin Peroxidase Complex (ABC) method. Sasaki T et al. (1980). Arch. Dermatol. Res. 290: 283-285.