



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. NU-01-LA3

Anti Laminin α 3 [Clone : BM515]

Product type	Primary antibody
Immunogen	Native laminin α 3 chain from bovine cornea
Host Species	Mouse
Clone Designation	BM515
Isotype	IgG1, <i>k</i>
Source	Culture supernatant
Purification	-
Form	Liquid
Formulation Buffer	Hybridoma culture supernatant containing 0.02% NaN ₃ as a preservative.
Concentration	-
Volume	500 μ l
Label	Unlabeled
Specificity	Laminin α 3 No reactivity against other chains of laminin..
Cross species reactivity	Human, Rabbit, Bovine, (No cross-react: mouse, rat, porcine) Other species have not been tested.
Storage Conditions	Store below -20°C (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

Application notes	Western blotting : Use at an assay dependant dilution. * Recognizes a band at approximately 160 kDa. In some specimens, a band of 190-kDa, which represents a non-processed form of laminin 3 chain, can be detected. Immunofluorescence : 1/100 – 1/200 ** Acetone-fixed cryostat tissue sections. Immunoprecipitation : Use at an assay dependant dilution.
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Recommended dilutions

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References	- Hirako Y., Yoshino K., Zillikens D., Owaribe K. Extracellular cleavage of bullous pemphigoid antigen 180/type XVII collagen and its involvement in hemidesmosomal disassembly. <i>J Biochem.</i> 2003 Feb;133(2):197-206. PMID: 12761182 - Uematsu J., Nishizawa Y., Hirako Y., Kitamura K., Usukura J., Miyata T., Owaribe K. Both type-I hemidesmosomes and adherens-type junctions contribute to the cell-substratum adhesion system in myoepithelial cells. <i>Eur J Cell Biol.</i> 2005 Mar;84(2-3):407-15. PMID: 15819417 - Owaribe K, Nishizawa Y, Franke WW. Isolation and characterization of hemidesmosomes from bovine corneal epithelial cells. <i>Exp Cell Res.</i> 1991 Feb;192(2):622-30. PMID:1988297
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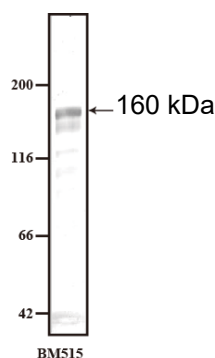


Fig.1 Western Blotting Analysis of extracellular matrix made from Human keratinocyte cell line [HaCaT] using Anti Laminin α 3, Clone BM515, NU-01-LA3.
 Arrow indicates **Laminin α 3** (approximately 160kDa).
 Non-processed form of Laminin α 3 chain might be detected around 190kDa depending on the specimen.

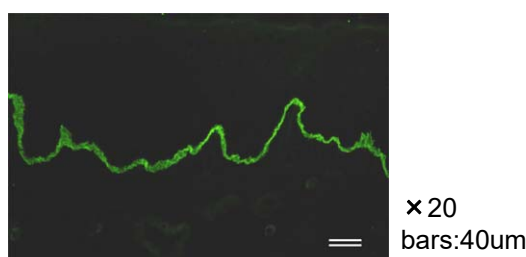


Fig. 2. Immunofluorescence microscopy of Human skin using Anti Laminin α 3, Clone BM515, NU-01-LA3 (1/200 dilutions).
 Epidermal basement membranes containing Laminin α 3 chain is stained to green.

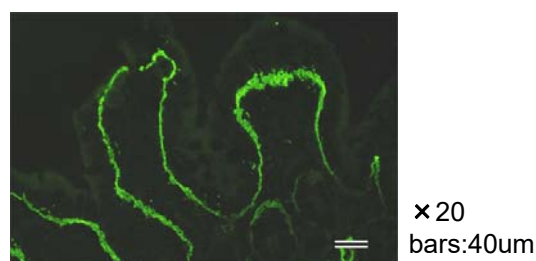


Fig. 3. Immunofluorescence microscopy of Rabbit large intestine using Anti Laminin α 3, Clone BM515, NU-01-LA3 (1/200 dilutions).
 Large intestine basement membrane containing Laminin α 3 chain is stained to green.

RELATED PRODUCTS:

Product Name	Clone	Maker	Cat#
Anti BPAG1 (BP230) Monoclonal Antibody	279	CAC	NU-01-BP1
Anti Laminin α 3 Monoclonal Antibody	BM515	CAC	NU-01-LA3
Anti Collagen 7 Monoclonal Antibody	BML39	CAC	NU-01-CO7

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