COSMO BIO CO., LTD.
Inspiration for Life Science

MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. NU-01-LA3

Anti Laminin 3

Product type	Primary antibodies
Host	Mouse
Source	Tissue culture supernatant
Form	Hybridoma supernatant with 0.02% NaN3 as a preservative.
Volume	500µl
Concentration	
Specificity	Laminin 3 No reactivity against other chains of laminin.
Antigen	Native laminin 3 chain from bovine cornea
Clone	BM515
Isotype	IgG1k

Application notes WB, IF Not tested yet in other applications.

Recommended use

Recommended dilutions

Western Blot: 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 for staining of acetone-fixed cryostat tissue sections.
Immunoprecipitation: Use at an assay dependant dilution.

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity Human, Rabbit, Bovine (No cross-react: mouse, rat, porcine)

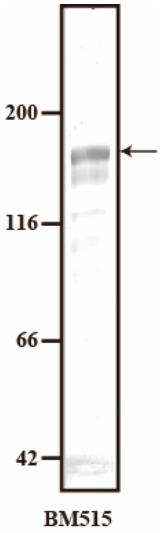
Storage Store below -20°C (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

References

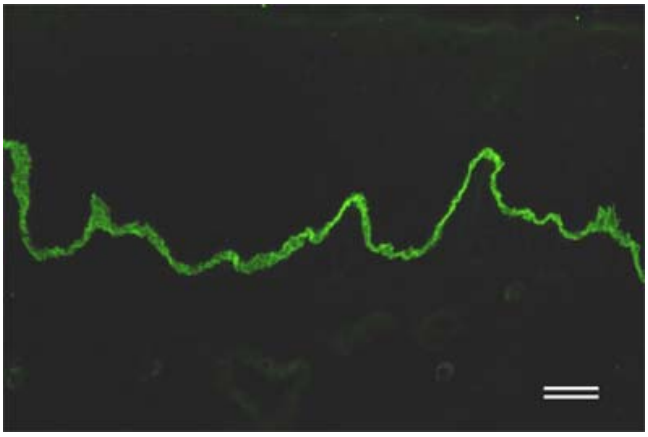
1) Hirako Y., Yoshino K., Zillikens D., Owaribe K. Extracellular cleavage of bullous pemphigoid antigen 180/type XVII collagen and its involvement in hemidesmosomal disassembly. J Biochem. 133: 197-206 (2003)

2) 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. Eur J Cell Biol. 84: 407-415 (2005)

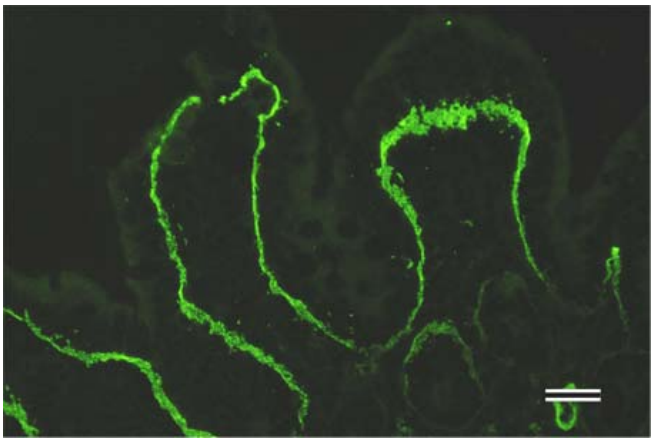
3) Owaribe K, Nishizawa Y, Franke WW. Isolation and characterization of hemidesmosomes from bovine corneal epithelial cells. Exp Cell Res. 192:622-630. (1991)



Western Blot analysis
Sample: Extracellular matrix from HaCat cells
BM515 recognizes laminin 3 chain as 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（×20）
Human skin was analyzed by immunofluorescence with BM515 (1:200). Epidermal basal layer containing laminin 3 chain is stained green. (Scale bar, 40 m)



Immunofluorescence（×20）
Rabbit large intestine was analyzed by immunofluorescence with BM515 (1:200). Epidermal basal layer containing laminin 3 chain is stained green. (Scale bar, 40 m)

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