



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. NU-01-LA3

## Anti Laminin $\alpha 3$ [ Clone : BML39 ]

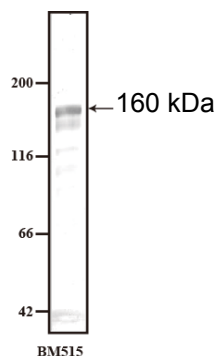
|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| Product type             | Primary antibody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

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application notes | <ul style="list-style-type: none"><li><b>Western blotting</b> : Use at an assay dependant dilution.<br/>* 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.</li><li><b>Immunofluorescence</b> : 1/100 – 1/200<br/>** Acetone-fixed cryostat tissue sections.</li><li><b>Immunoprecipitation</b> : Use at an assay dependant dilution.</li></ul> |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

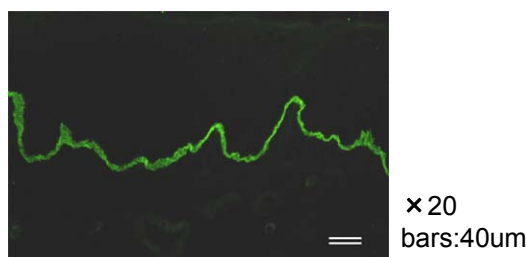
Recommended dilutions

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

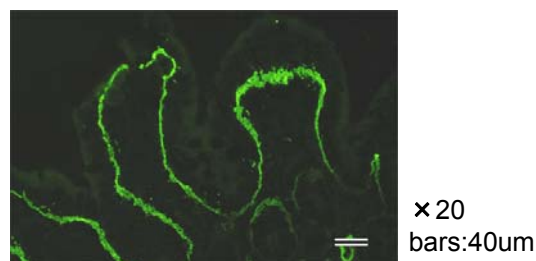
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | <ol style="list-style-type: none"><li>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: <a href="#">12761182</a></li><li>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: <a href="#">15819417</a></li><li>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:<a href="#">1988297</a></li></ol> |
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**Fig.1 Western Blotting Analysis of extracellular matrix made from Human keratinocyte cell line [HaCaT] using Anti Laminin  $\alpha$ 3, Clone BML515, NU-01-LA3.**  
 Arrow indicates Laminin  $\alpha$ 3 (approximately 160kDa).  
 Non-processed form of Laminin  $\alpha$ 3 chain might be detected around 190kDa depending on the specimen.



**Fig. 2. Immunofluorescence microscopy of Human skin using Anti Laminin  $\alpha$ 3, Clone BML515, NU-01-LA3 (1/200 dilutions).**  
 Epidermal basement membranes containing Laminin  $\alpha$ 3 chain is stained to green.



**Fig. 3. Immunofluorescence microscopy of Rabbit large intestine using Anti Laminin  $\alpha$ 3, Clone BML515, NU-01-LA3 (1/200 dilutions).**  
 Large intestine basement membrane containing Laminin  $\alpha$ 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 $\alpha$ 3 Monoclonal Antibody | BM515 | CAC   | NU-01-LA3 |
| Anti Collagen 7 Monoclonal Antibody         | BML39 | CAC   | NU-01-CO7 |

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