



Anti Collagen 7 monoclonal antibody

Product type	Primary Antibodies
Immunogen	Native type-VII collagen from bovine cornea
Clone number	BML39
Purity	Tissue culture supernatant
Host	Mouse
Formulation	Hybridoma supernatant with 0.02% NaN ₃ as a preservative.
Volume	500ul
Label	Unlabeled
Specificity	No reactivity against other type collagens.
Cross reactivity	Human, Rabbit, Bovine, Porcine (No cross-react: mouse, rat)
Storage	Store below -20°C (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

Application notes

Recommended use Western Blot, Immunohistochemistry, Immunoprecipitation

Recommended dilutions

- Western Blot: Use at an assay dependant dilution.
- Recognizes a band at approximately 300 kDa and degraded fragments around 170 kDa.
- Immunohistochemistry: : 1:100–1:400 for staining of acetone-fixed cryostat tissue sections.
- Immunoprecipitation: Use at an assay dependant dilution.

Not tested yet in other applications.
Optimal working dilutions must be determined by end user.

References

- (1) Uematsu J., et al. Eur J Cell Biol., 84: 407-415 (2005)
- (2) Hirako Y., et al. J. Biol. Chem., 273:9711-9717 (1998)

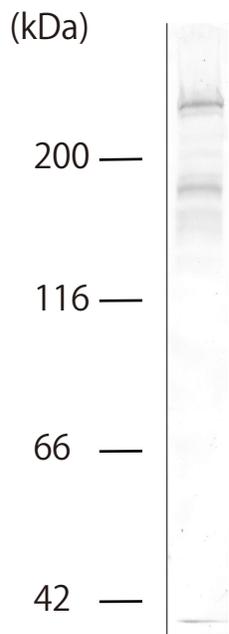


Fig.1 Western blot analysis

Concentrated conditioned medium prepared from BMGE+H cells was immunoblotted with BML39 antibody (1:50 dilutions). BML39 antibody detected type-7 collagen as a band at approximately 300 kDa (full-length) and degraded fragments around 170 kDa. Conditioned medium was concentrated by ammonia sulfate precipitation as described previously (ref. 2). Polypeptides were separated by SDS-PAGE (7.5% separating gel).

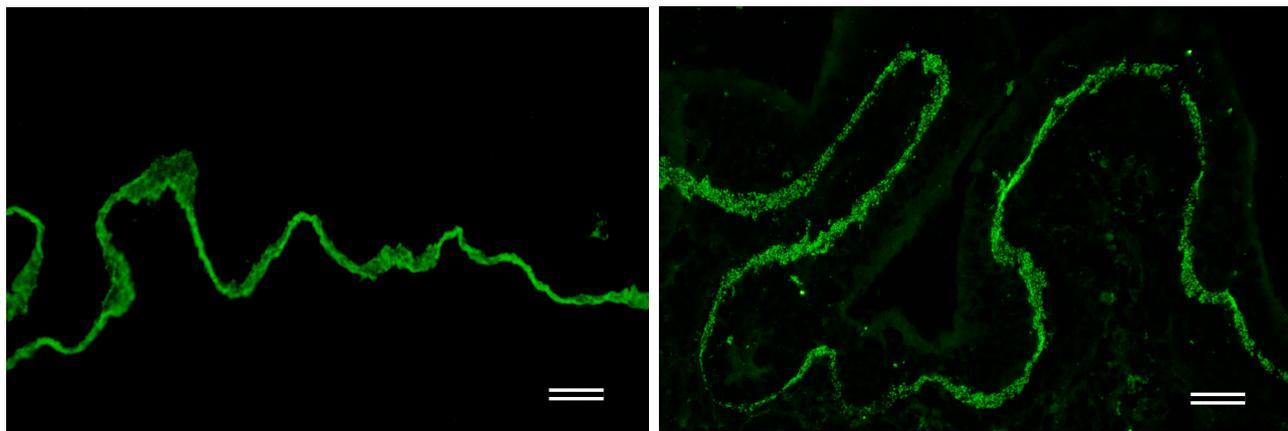


Fig.2 Immunofluorescence microscopy of human skin and rabbit large intestine

Frozen sections of human skin (left) and rabbit large intestine (right) were stained with BML39 antibody at 1:200 dilution. The antibody revealed the location of type VII collagen at basement membranes (arrows). Bars = 40 μ m. Frozen sections were prepared as described previously (ref. 2).

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