

## Data Sheet

# MOUSE TYPE XVII COLLAGEN, ANTIBODY, POLYCLONAL

<b>Catalog no.:</b>	AL1003.3 / AL1003.4
<b>Immunogen:</b>	Mouse Collagen type XVII (aa 497-573) GST-fusion protein
<b>Synonyms:</b>	mCOL17A, Collagen alpha-1(XVII) chain, 180 kDa bullous pemphigoid antigen 2, Bullous pemphigoid antigen 2
<b>Swiss-Prot No:</b>	Q07563
<b>Gene Information:</b>	Gene Name: Col17a1, Bp180, Bpag2 GenelD: 12821
<b>Host:</b>	Rabbit
<b>Matrix:</b>	IgG, Protein G purified from serum; PBS pH 7.4
<b>Specificity:</b>	Mouse type XVII collagen
<b>Contents:</b>	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
<b>Known applications:</b>	Immunohistochemistry (cryosections) <sup>1,3,4</sup>

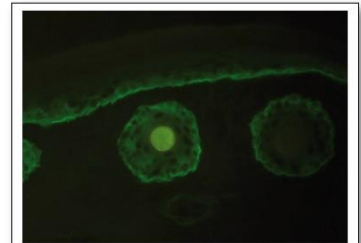
This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

**Store at:** 2-8 °C (lyophilized) -20°C (dissoveld)

Repeated thawing and freezing must be avoided

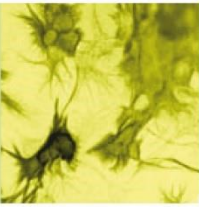
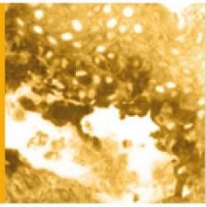
### References:

1. Hirose M, Recke A, Beckmann T, Shimizu A, Ishiko A, Bieber K, Westermann Jr, Zillikens D, Schmidt E, Ludwig RJ (2011). Repetitive Immunization Breaks Tolerance to Type XVII Collagen and Leads to Bullous Pemphigoid in Mice. *The Journal of Immunology* **187**(3): 1176-1183.
2. Hellberg L, Samavedam UK, Holdorf K, Hansel M, Recke A, Beckmann T, Steinhorst K, Boehncke WH, Kirchner T, Mockel N, Solbach W, Zillikens D, Schmidt E, Ludwig RJ, Laskay T (2013). Methylprednisolone blocks autoantibody-induced tissue damage in experimental models of bullous pemphigoid and epidermolysis bullosa acquisita through inhibition of neutrophil activation. *J Invest Dermatol* **133**(10): 2390-2399.
3. Schulze FS, Beckmann T, Nimmerjahn F, Ishiko A, Collin M, Köhl J, Goletz S, Zillikens D, Ludwig R & Schmidt E (2014) Fcγ Receptors III and IV Mediate Tissue Destruction in a Novel Adult Mouse Model of Bullous Pemphigoid. *Am. J. Pathol.* **184**: 2185–2196.
4. Akbarzadeh R, Yu X, Vogl T, Ludwig RJ, Schmidt E, Zillikens D & Petersen F (2015) Myeloid-related proteins-8 and -14 are expressed but dispensable in the pathogenesis of experimental epidermolysis bullosa acquisita and bullous pemphigoid. *J. Dermatol. Sci.*: 8–15 [epub ahead of print].



**Figure 1:** Immunofluorescence image of Collagen type XVII staining in cryosection of murine skin. The section was incubated with AL1003 (raw serum diluted 1:100), followed by swine anti-rabbit antibody coupled to FITC (DAKO, 1:100). AL1003 stains skin and hair follicle base-membrane.

Antibodies



**Last updated on:** 23 August 2022

**For research use only**

**Publishing research using AL1003? Please let us know so that we can cite your publication as a reference.**



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