

Product number **A018**
Revision number **RN3.0**

Product Name	Polyclonal antibody to human keratinocyte transglutaminase (TG1)
Host	Rabbit
Immunogen	Human keratinocyte transglutaminase (full length protein with N-terminal hexahistidin-tag) recombinantly produced in insect cells
Amount	500 µg purified IgG
Formulation	The antibody is lyophilized from 400 µL 0.02 M Tris-HCl buffer pH 8.0, 0.028 M NaCl, 2 mg/mL human serum albumin, azide free.
Specificity	Specificity of A018 was determined with different human transglutaminases (TG1, TG2, TG3, TG6, TG7 and FXIII) and guinea pig transglutaminase (gpTG).

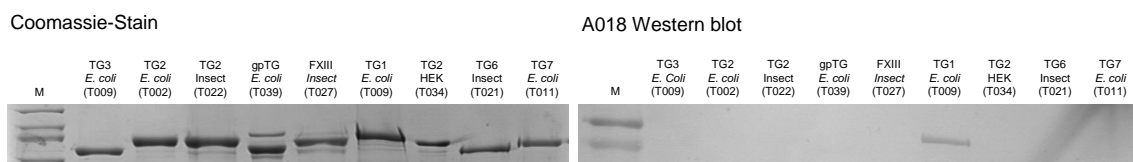


Figure: Equal amounts of transglutaminases were analysed by SDS-PAGE-Gel (staining with coomassie brilliant blue, left) and western blot (right, A018 diluted 1:2000 in TBST). The western blot reveals that A018 has no cross reactivity to other transglutaminases tested.

Application Western-Blotting, immuno-fluorescence, immuno-histochemistry
Note: For FACS antibody A029 (FITC-labeled A018) is recommended.

Working dilutions Optimal dilutions should be determined by the end user.
E. g. for Western-Blotting: 1 / 500 to 1 / 5,000 should be suitable

Storage Stable for a minimum of 2 years at –20°C as lyophilized powder

Delivery is possible at ambient temperature

Reference(s) Algarni et al., Biochem. Pharmacol. 2017, 128:55-73
Itoh et al., J. Histochem. Cytochem. 2013, 61:793-801
Fischer et al., J. Invest. Dermatol. 2013, 133:1170-7

Related products A029 FITC-labelled polyclonal antibody to TG1
T035 Human keratinocyte transglutaminase

Release date 22 November 2021

NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.