

Product number **A082**
Revision number **RN2.1**

Product Name Monoclonal antibody to human TG3 (clone XTG45)
Host Mouse
Clone XTG45
Immunogen Human epidermal transglutaminase (full length protein with N-terminal hexahistidin-tag) recombinantly produced in insect cells.
Specificity Mouse monoclonal antibody is specific for TG3. It does not cross-react with other human transglutaminases.
 Specificity of A082 was determined in western blotting and ELISA with human transglutaminases (TG1 – TG7, FXIII).

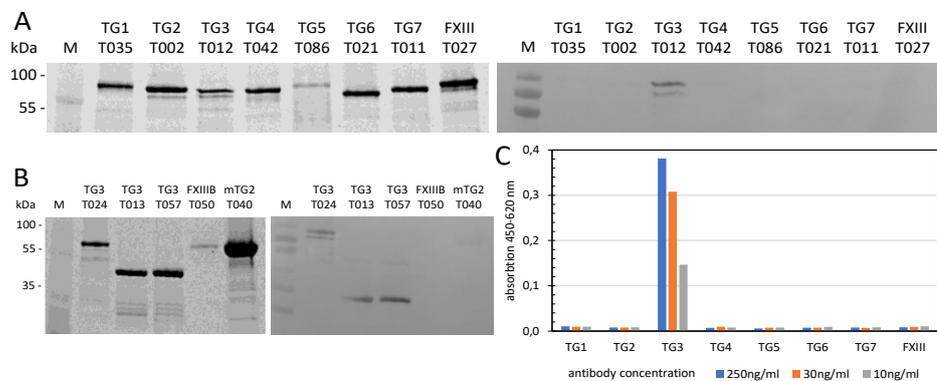


Figure 1: A) Cross-reactivity of A082 to human transglutaminase (TG1 – TG7, FXIII); B) Reactivity of A082 to human transglutaminase 3 species (non-activated [T024] and Dispace-activated [T013, T057]), determined by SDS-PAGE followed by Coomassie staining (left) and Western Blot (right). C) ELISA with microtiter plates coated with different human transglutaminases using A082 as primary antibody.

Description The IgG fraction was purified by ion exchange chromatography.
Appearance Liquid
Formulation 75 mM NaCl, 5 mM Tris, pH7.5, 0.025% sodium azide, 50% glycerol.
Application Western-Blotting, Immunofluorescence, ELISA
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 Store at -80°C.
 If storage at -80°C is not possible, storage at ≤ -20°C is recommended.
 Stable for short term at +4°C.
Delivery is possible at ambient temperature.
Related products T024 Human epidermal transglutaminase (TG3)
 T013 Human epidermal transglutaminase, Dispace activated
Release date 01 February 2022
NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.