

# Product Data Sheet



Product number **A043**  
Revision number **RN2.1**

---

<b>Product Name</b>	Monoclonal antibody to human TG1 (clone XTG51)
<b>Host</b>	Mouse
<b>Clone</b>	XTG51
<b>Isotype</b>	IgG2b
<b>Immunogen</b>	Human keratinocyte transglutaminase (full length protein with N-terminal hexahistidin-tag) recombinantly produced in insect cells
<b>Specificity</b>	<p>Mouse monoclonal antibody is specific for TG1. It does not cross-react with other human transglutaminases.</p> <p>Specificity of A043 was determined in western blotting with human transglutaminases (TG1 – TG7, FXIII).</p>
<b>Description</b>	The IgG fraction was purified by ion exchange chromatography.
<b>Appearance</b>	Liquid.
<b>Formulation</b>	75 mM NaCl, 5 mM Tris, pH7.5, 0.025% sodium azide, 50% glycerol.
<b>Application</b>	Western-Blotting, Immunofluorescence.
<b>Working dilutions</b>	<p>Optimal dilutions should be determined by the end user.</p> <p>E.g. for Western-Blotting: 1 / 500 to 1 / 5,000 should be suitable.</p>
<b>Storage</b>	<p>Store at -80°C.</p> <p>If storage at -80°C is not possible, storage at ≤ -20°C is recommended.</p> <p>Stable for short term at +4°C.</p> <p><b><i>Delivery is possible at ambient temperature.</i></b></p>
<b>Related products</b>	T035: Human keratinocyte transglutaminase (TG1)
<b>Release date</b>	01 February 2022
<b>NOTE</b>	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.