

Product Data Sheet



Product number **A042**
Revision number **RN2.1**

| | |
|--------------------------|--|
| Product Name | Monoclonal antibody to human TG1 (clone XTG31) |
| Host | Mouse |
| Clone | XTG31 |
| Isotype | IgG1 |
| Immunogen | Human keratinocyte transglutaminase (full length protein with N-terminal hexahistidin-tag) recombinantly produced in insect cells |
| Specificity | <p>Mouse monoclonal antibody is specific for TG1. It does not cross-react with other human transglutaminases.</p> <p>Specificity of A042 was determined in western blotting with human transglutaminases (TG1 – TG7, FXIII).</p> |
| 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. |
| Working dilutions | <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> |
| Storage | <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><i>Delivery is possible at ambient temperature.</i></p> |
| Related products | T035: Human keratinocyte transglutaminase (TG1) |
| Release date | 01 February 2022 |
| NOTE | INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS. |