



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Transglutaminase 2 [679-14-E06] Bulk Size Ab00419-1.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgA format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, [Fc Silent™](#), Kappa

**Clone Number:** 679-14-E06

**Alternative Name(s) of Target:** TG2; Protein-Glutamine gamma-Glutamyltransferase 2

**UniProt Accession Number of Target Protein:** P21980

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** Autoantigen TG2.

**Specificity:** The antibody binds to the N-terminal region of TG2 with a Kd of 55 nM.

**Application Notes:** This antibody binds to human Transglutaminase 2, an enzyme that catalyzes the isopeptide bond formation between an amine group and an acyl group at the end of the side chain of a glutamine. Anti-TG2 antibody are found in celiac disease and high levels of transglutaminase are found in Huntington's and Parkinson's.

**Antibody First Published in:** Chen et al. Structural basis for antigen recognition by transglutaminase 2-specific autoantibodies in celiac disease. Journal of Biological Chemistry 2015; Manuscript M115.669895  
[PMID:26160175](#)

**Note on publication:** Describes autoantibodies against TG2 and crystallisation as well as molecular dynamic simulations.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg /ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.