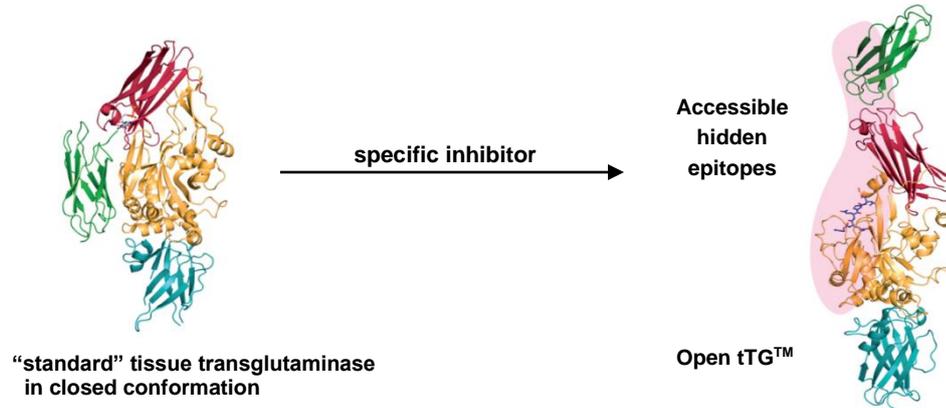


Product number **T051**
 Revision number **RN4.1**

Product Name Open tTG™

Background info Human tissue transglutaminase is recombinantly produced in insect cells, and conjugated with a specific inhibitor in order to stabilize the open conformation. Thereby new epitopes become accessible.



Quantity 250 µg / 1 mg

Molecular Weight 78 kDa (Val224-allele, Kanchan et al., Biochem. J. 2013, 455:261-72)

Application Open tTG™ may be used for immunoprecipitation and detection of autoantibodies in body fluid samples from patients suffering from autoimmune diseases like psoriasis or gluten sensitive enteropathy. For coating of micro titer plates the addition of 10 mM Ca²⁺ is recommended.

Appearance Liquid

Formulation The Open tTG™ is supplied in 20 mM Tris-HCl pH 7.2, 150 mM NaCl, 1 mM EDTA, 1 mM DTT, 10% Glycerol

Purity > 95% by SDS-PAGE under reducing conditions

Storage Upon receipt, store immediately at -80°C. Stability is given for at least 10 years when stored at -80°C (see retest date on Certificate of Analysis), with potential to date extend after retesting. If storage at -80°C is not possible, storage at ≤ -20°C is recommended. While no formal stability data are available at -20°C, according to our overall experience stability is still given.

Store undiluted working aliquots preferably at -80°C (if not possible at ≤ -20°C, see comment above). Storage of diluted aliquots may result in severe activity loss.

Avoid repeated freezing and thawing.

Reference(s) Lortat-Jacob et al., J. Biol. Chem. 2012, 25:18005-18017
 Lindfors et al., J. Clin Immunol. 2011, 31:436-42
 Pallav et al., Dig. Liver Dis. 2012, 44:375-8
 Protein Data Bank (PDB) entry: 3S3P

Related products T057: Inhibited human epidermal transglutaminase (inhibited TG3)
 T064: Inhibited human neuronal transglutaminase (inhibited TG6)
 B011: Biotin-MA-QPL-OMe
 Z013: Z-MA-QPL-OMe
http://zedira.com/data/newsletter/newsletter_20080902.pdf

Product Data Sheet



Product number **T051**
Revision number **RN4.1**

Release date 07 December 2023

NOTE

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

Usage in celiac disease diagnostic products may require a license for European Patent 0912898 and US Patent US 8,808,980 B2.