



Anti-human Transglutaminase 7/TGM7 Antibody

ORDERING INFORMATION

Catalog Number: AF5426

Lot Number: CDFI01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

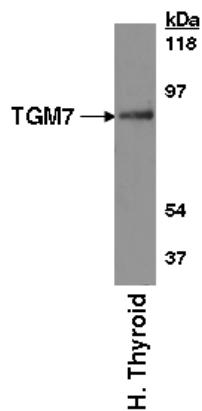
Reconstitution: sterile PBS

Specificity: human TGM7

Immunogen: Sf21-derived rhTGM7

Ig Type: sheep IgG

Applications: Western blot
Direct ELISA



Detection of TGM7 with AF5426.

Tissue lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0 µg/mL sheep anti-hTGM7.

Preparation

Produced in sheep immunized with purified, Sf21-derived, recombinant human Transglutaminase 7 (rhTGM7; R&D Systems, Catalog # 5426-TG). Human TGM7 specific IgG was purified by human TGM7 affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human TGM7 in direct ELISAs and Western blots. In direct ELISAs, this antibody shows approximately 5% cross-reactivity with rhTGM3, and less than 2% cross-reactivity with rhTGM2, rhTGM4 and rmTGM2.

Applications

Western blot - An antibody concentration of 1.0 µg/mL is recommended.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human TGM7. The detection limit for rhTGM7 is approximately 0.3 ng/well.

Optimal dilutions should be determined by each laboratory for each application.