



Biotinylated ***Anti-human Transglutaminase 7/TGM7 Antibody***

ORDERING INFORMATION

Catalog Number: BAF5426

Lot Number: CDID01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS
with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human TGM7

Immunogen: Sf21-derived rhTGM7

Ig Type: sheep IgG

Application: Western blot

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 and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/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 use as a detection antibody in human TGM7 Western blots.

Application

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human TGM7. The detection limit for rhTGM7 is approximately 0.5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 5% cross-reactivity with rhTGM3, and less than 2% cross-reactivity with rhTGM2 and rmTGM2.

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