



Biotinylated Anti-human Desmoglein-3 Antibody

ORDERING INFORMATION

Catalog Number: BAF1720

Lot Number: JVV01

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 Desmoglein-3

Immunogen: NS0-derived rhDesmoglein-3 extracellular domain

Ig Type: human Desmoglein-3 extracellular domain specific goat IgG

Applications: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Desmoglein-3 (rhDesmoglein-3) extracellular domain. Human Desmoglein-3 specific IgG was purified by human Desmoglein-3 affinity chromatography and then biotinylated. Desmoglein-3 is a type I transmembrane protein that belongs to the desmoglein subfamily of desmosomal cadherins. It is expressed in stratified squamous epithelia and is a target of some autoimmune disorders of the skin.

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 Desmoglein-3 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 Desmoglein-3. The detection limit for rhDesmoglein-3 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhDesmoglein-1 and rhDesmoglein-2.

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