



ORDERING INFORMATION

Catalog Number: AF1720

Lot Number: JVO01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Desmoglein-3

Immunogen: NS0-derived rhDesmoglein-3
extracellular domain

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

Applications: Direct ELISA
Western blot
Immunohistochemistry

Anti-human Desmoglein-3 Antibody

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. 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) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 Desmoglein-3 in the applications listed below. In ELISAs and western blots, this antibody shows less than 5% cross-reactivity with rhDesmoglein-1 and rhDesmoglein-2.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Desmoglein-3. The detection limit for rhDesmoglein-3 is approximately 0.2 ng/well.

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 1 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect Desmoglein-3 in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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