



PRODUCT DATA SHEET

Product: Anti-Desmoglein 3 mAb, clone 5G11

Cat. No.: MC-214 (1 mL)

Description:

Desmoglein 3 is a member of the desmosomal cadherin family that comprise the desmogleins and desmocollins. Desmosomes are cell-cell junctions in most epithelial cells and serve to link the intermediate filament cytoskeletons of adjacent cells. Within the desmosome the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 3 is synthesized in both the basal and the lower suprabasal compartments.

Specificity:

Reacts with the 140 kDa desmoglein 3 protein. Does not cross-react with desmoglein 1 or desmoglein 2. The antibody does not inhibit biological activity of desmoglein 3.

Isotype:

Mouse IgG₁

Species Reactivity:

Human. Others not tested.

Format:

1 mL at 100 µg/mL of 0.2 µm filtered antibody solution in PBS containing 0.1% protein stabilizer and 0.02% sodium azide.

Storage:

Store at 4°C.

Applications:

- Immunofluorescence: Use at a 1:10 dilution
- Immunohistochemistry (paraffin embedded sections)
- Immunoprecipitation
- Western blot: Use at a 1:10 dilution

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.