

Anti-desmoglein-3 [5G11] Standard Size Ab01659-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: 5G11

Alternative Name(s) of Target: PVA; Cadherin family member 6; desmoglein 3; 130 kDa pemphigus vulgaris antigen; DSG3

UniProt Accession Number of Target Protein: P32926

Published Application(s): dot blot, IP, WB, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunizing Balb/c mice with a recombinant protein corresponding to human desmoglein-3.

Specificity: This antibody recognizes desmoglein 3. It does not cross-react with desmoglein 1 or desmoglein 2. Desmoglein-3 is a calcium binding membrane protein that is localized in desmosome cellular junctions and interacts with plaque proteins and intermediate filaments at cell-cell adhesion points.

Application Notes: This antibody can be used for detection and analysis of desmoglein-3 via various methods. For instance, 5G11 was utilized to detect desmoglein-3 in human scalp hair follicles and epidermal inclusions via immunohistochemistry (Wu et al., 2003). Another group successfully used this antibody to identify desmoglein-3 via Western blot (Mao et al., 2017; PMID: 28469076). The antibody 5G11 was also used to detect DSG3 in cells via immunofluorescence (Chen et al., 2013; PMID: 23737966).

Antibody First Published in: Wahl Generation of monoclonal antibodies specific for desmoglein family members. Hybrid Hybridomics. 2002 Feb;21(1):37-44. [PMID:11991815](#)

Note on publication: This article describes the generation and characterization of the antibody 5G11.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.