

## Anti-desmoglein-3 [PVA218] Bulk Size Ab00157-13.0-BT

Made with Antibody Sequences licensed from Humabs Biomed SA.

**Isotype and Format:** Human IgG4, Kappa

**Clone Number:** PVA218

**Alternative Name(s) of Target:** Pemphigus Vulgaris Ag; 130 kDa pemphigus vulgaris antigen; PVA; Cadherin family member 6; DSG3; CDHF6

**UniProt Accession Number of Target Protein:** P32926

**Published Application(s):** ELISA, IF

**Published Species Reactivity:** Human

**Immunogen:** Made by immortalizing IgG-expressing B cells from Pemphigus vulgaris (PV) patients.

**Specificity:** This antibody specifically recognizes a conformational epitope in the EC3 domain of human desmoglein-3 (DSG). This antibody was isolated as a human IgG4 from a patient with mucocutaneous pemphigus vulgaris and uses the VH5a\*03, D6-6\*01, JH3\*01, VL1-33\*01 and JL2\*01. This antibody does not have in vitro and in vivo pathogenic activity, as assessed in a keratinocyte dissociation assay and by the formation of microscopic blisters in newborn mice.

**Application Notes:**

**Antibody First Published in:** Di Zenzo, G. et al. Pemphigus autoantibodies generated through somatic mutations target the desmoglein-3 cis-interface. J Clin Invest 122, 3781-3790 (2012). [PMID:22996451](#)

**Note on publication:** Describes the isolation and analysis of a panel of human antibodies from patients - inc data on ELISA, IF and in vitro and in vivo pathogenic activity assays.

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.