

Anti-desmoglein-3 and desmoglein-1 [PVA224] Standard Size Ab00153-10.0

Made with Antibody Sequences licensed from Humabs Biomed SA.

Isotype and Format: Human IgG1, Kappa

Clone Number: PVA224

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 EC1 domain of human desmoglein-3 (DSG) and DSG- This antibody was isolated as a human IgG1 from a patient with mucocutaneous pemphigus vulgaris and uses the VH3-48*03, D4-4*01, JH6*02, VL2-28*01 and JL2*02. This antibody has in vitro and in vivo pathogenic activity, as assessed in a keratinocyte dissociation assay and by the formation of microscopic blisters in newborn mice. This antibody crossreacts with murine DSG-3.

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 - including data on ELISA, IF and in vitro and in vivo pathogenic activity assays.

Product Form

Size: 100 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.