

## Anti-desmoglein-3 and desmoglein-1 [PVA3] Standard Size Ab00152-10.0

Made with Antibody Sequences licensed from Humabs Biomed SA.

**Isotype and Format:** Human IgG1, Lambda

**Clone Number:** PVA3

**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) and DSG-1. This antibody was isolated as a human IgG1 from a patient with mucocutaneous pemphigus vulgaris and uses the VH3-15\*01, D4-4\*01, JH4\*03, VL2-14\*01 and JL1\*01. This antibody does not have in vitro and in vivo pathogenic activity, as assessed in a keratinocyte dissociation assay.

### 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.