



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Desmoglein-3 [F779] Standard Size Ab03419-10.0

Isotype and Format: Human IgG1, Kappa

Clone Number: F779

Alternative Name(s) of Target: DSG3; PVA; CDHF6; Desmoglein 3; 130 kDa pemphigus vulgaris antigen; Cadherin family member 6

UniProt Accession Number of Target Protein: P32926

Published Application(s): ELISA, IF

Published Species Reactivity: Human

Immunogen: The original antibody was generated from the peripheral blood of four patients with active untreated pemphigus vulgaris (PV) using heterohybridoma techniques.

Specificity: This antibody binds human desmoglein-3 between amino acids 1-161 and does not cross react with desmoglein-1. It is a component of intercellular desmosome junctions. It is involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. Pemphigus vulgaris (PV) is a potentially lethal skin disease in which epidermal blisters occur as the result of the loss of cell-cell adhesion caused by the action of autoantibodies against desmoglein 3. It is characterized by suprabasal blistering of skin and mucous membranes.

Application Notes: This antibody can be used for the determination of desmoglein-3 using ELISA. The binding affinity of IgG1 version of this antibody for human desmoglein-3 was determined using surface plasmon resonance and was found to be $K_d = 1.77$ nM (PMID: 24942562). This antibody was also used in the direct and indirect immunofluorescence staining of frozen human skin sections (PMID: 24942562; 27304671) The IgG1 and IgG4 variants of this antibody induce loss of cell surface Dsg3 in primary human epidermal keratinocytes and suprabasal blisters in human skin (PMID: 27304671). This antibody is pathogenic in nature and caused suprabasal blisters in human skin at comparable doses of 25 µg and 50 µg (PMID: 27304671).

Antibody First Published in: Cho et al. Shared VH1-46 gene usage by pemphigus vulgaris autoantibodies indicates common humoral immune responses among patients. Nat Commun. 2014 Jun 19;5:4167.

[PMID:24942562](#)

Note on publication: This paper identifies VH1-46 autoantibody gene as a common gene expressed in patients with pemphigus vulgaris.

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.