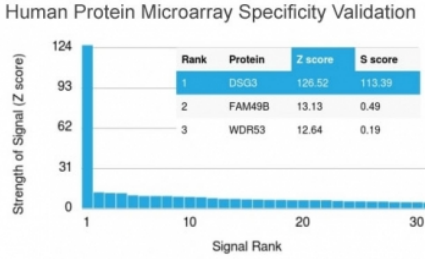
# Desmoglein 3 Antibody / DSG3 [clone DSG3/2796] (V7722)

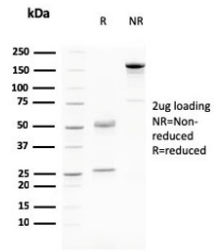
| Catalog No. | Formulation | Size |
|---|---|---|
| V7722-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7722-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7722SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | DSG3/2796 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P32926 |
| **Localization** | Cell surface |
| **Applications** | ELISA (order BSA-free Format For Coating) : 2-4ug/ml |
| **Limitations** | This Desmoglein 3 antibody is available for research use only. |




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Desmoglein 3 antibody (clone DSG3/2796). These results demonstrate the foremost specificity of the DSG3/2796 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.




SDS-PAGE analysis of purified, BSA-free Desmoglein 3 antibody (clone DSG3/2796) as confirmation of integrity and purity.

## Description

Recognizes a protein of 130kDa, identified as Desmoglein-3 (DSG3). This MAb is highly specific to Desmoglein-3 and does not cross-react with other members of the Desmoglein-family. DSG3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Research has shown that DSG3 has a very high sensitivity (80%) and specificity (100%) in recognizing squamous cell carcinoma (SqCC). Therefore, DSG3 is considered a very important marker for lung SqCC and can be a useful ancillary marker to separate SqCC from other subtypes of lung cancer. Moreover, studies have shown that DSG3 expression in lung SqCC may indicate a poor prognosis.

## Application Notes

Optimal dilution of the Desmoglein 3 antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein (amino acids 379-491) was used as the immunogen for the Desmoglein 3 antibody.

## Storage

Store the Desmoglein 3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com