

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Desmocollin-3 in direct ELISAs and Western blots. In direct ELISAs, approximately 25% cross-reactivity with recombinant human Desmocollin-3 is observed, and approximately 5% cross-reactivity with recombinant mouse (rm) Desmocollin-1 and rmDe
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Desmocollin-3 Arg136-Leu695 Accession # P55850
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DSC-3 (Desmocollin [Greek for "glue-that-binds"]-3) is a 95-110 kDa member of the Ca⁺⁺-dependent cadherin family of adhesion molecules. It is found on the surface of stratified epithelial cells, including keratinized and nonkeratinized epithelia of the urinary bladder, vagina, oral cavity and skin. DSC-3 serves as a component of desmosomes, forming a linkage that unites adjacent cells with cytoplasmic intermediate filaments. In particular, in the extracellular space, DSC-3 forms both homotypic and heterotypic interactions with DSG-1 in-trans, and binds to the cytoskeleton intracellularly via plakophilin-3. Mature mouse DSC-3 is a 760 amino acid (aa) type I transmembrane glycoprotein. The mature molecule contains a 560 aa extracellular region with five cadherin domains (aa 136-691), and a 179 aa cytoplasmic domain that possesses three utilized Ser phosphorylation sites. There is one splice variant that shows an eight aa substitution for aa 831-895. Over aa 136-695, mouse DSC-3 shares 79% and 93% aa identity with human and rat DSC-3, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc., and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.