Mouse Desmocollin-3 Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7265S
100 µg

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 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

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