

For Research Use Only

Anti-Human DSG2 Rabbit Recombinant Antibody

Catalog Number: 98863-1-RR



Basic Information

Catalog Number:

98863-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6509

GenBank Accession Number:

NM_001943.4

GeneID (NCBI):

1829

UNIPROT ID:

Q14126

Full Name:

desmoglein 2

Calculated MW:

122 kDa

Purification Method:

Protein A purification

CloneNo.:

251405F11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : HeLa cells, Transfected CHO cells

Background Information

Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmosomal cadherins, consisting of four desmogleins (DSG1-4) and three desmocollins (DSC1-3) in humans, mediate adhesion through calcium-dependent homophilic/heterophilic interactions. DSG2 is a single-pass transmembrane glycoprotein that is widely expressed in epithelial and non-epithelial tissues, such as the intestine, epidermis, testis, and heart (PMID:21715983). Defects in DSG2 are the cause of familial arrhythmogenic right ventricular dysplasia type 10 (ARVD10), and genetic variations in DSG2 are the cause of susceptibility to cardiomyopathy dilated type 1BB (CMD1BB).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

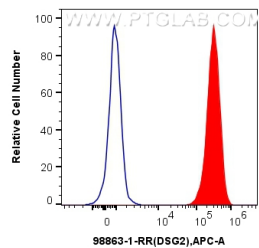
T: 4006900926

E: Proteintech-CN@ptglab.com

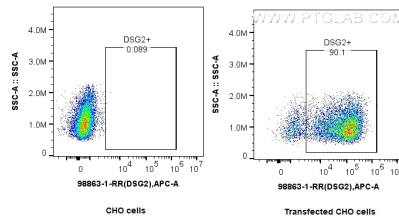
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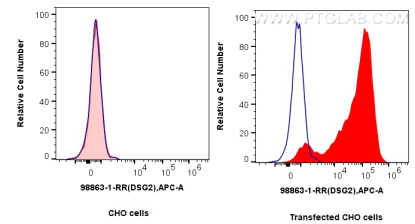
Selected Validation Data



1×10^6 HeLa cells were surface stained with 0.25 μ g Anti-Human DSG2 Rabbit RecAb (98863-1-RR, Clone: 251405F11) (red) or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were not fixed.



1×10^6 CHO cells or DSG2 transfected CHO cells were surface stained with 0.25 μ g Anti-Human DSG2 Rabbit RecAb (98863-1-RR, Clone: 251405F11) and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were not fixed.



1×10^6 CHO cells or DSG2-transfected CHO cells were surface stained with 0.25 μ g Anti-Human DSG2 Rabbit RecAb (98863-1-RR, Clone: 251405F11) (red) or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were not fixed.