

For Research Use Only

# DSG2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87426-3-PBS



## Basic Information

<b>Catalog Number:</b> 87426-3-PBS	<b>GenBank Accession Number:</b> NM_001943.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1829	<b>CloneNo.:</b> 251405C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14126	
<b>Isotype:</b> IgG	<b>Full Name:</b> desmoglein 2	
<b>Immunogen Catalog Number:</b> EG6509	<b>Calculated MW:</b> 122 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87426-3-PBS targets DSG2 as part of a matched antibody pair:

MP03039-1: 87426-3-PBS capture and 87426-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

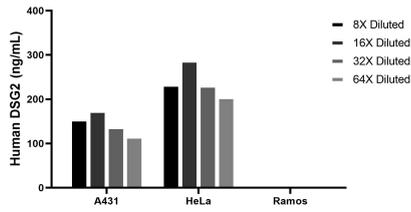
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

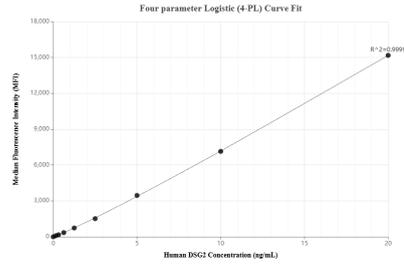
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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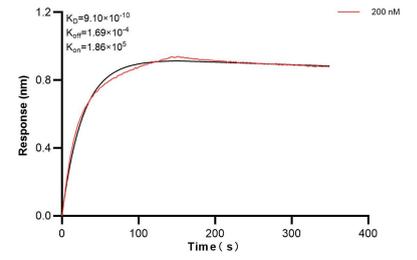
## Selected Validation Data



The mean DSG2 concentration was determined to be 145.1 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load, 238.8 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, Ramos cell extract were served as a negative control.



Cytometric bead array standard curve of MP03039-1, DSG2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87426-3-PBS. Detection antibody: 87426-2-PBS. Standard: Eg6509. Range: 0.156-20 ng/mL.



Bi-layer interferometry (BLI) kinetic assay of 87426-3-PBS against Human DSG2 was performed. The affinity constant is 0.91 nM.