

For Research Use Only

DSG2 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP03039-2

Capture Antibody Information

Catalog Number:
87426-5-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251405F12

Reactivity:
human

GenBank:
NM_001943.4

Immunogen Catalog Number:
Eg6509

Conjugate:
Unconjugated

Full name:
desmoglein 2

Gene ID:
1829

Detection Antibody Information

Catalog Number:
87426-4-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251405E2

Reactivity:
human

GenBank:
NM_001943.4

Immunogen Catalog Number:
Eg6509

Conjugate:
Unconjugated

Full name:
desmoglein 2

Gene ID:
1829

Applications

Tested Applications:
Sandwich ELISA

Range:
78.1-5000 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP03039-2 targets DSG2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: DSG2 Recombinant monoclonal antibody, PBS Only (Capture) 87426-5-PBS (251405F12). 100 µg. Concentration 1 mg/mL.

Detection antibody: DSG2 Recombinant monoclonal antibody, PBS Only (Detector) 87426-4-PBS (251405E2). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

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

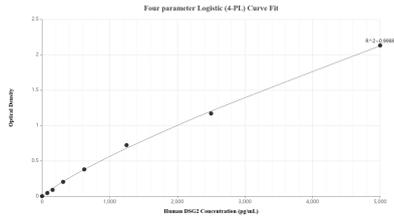
T: 4006900926

E: Proteintech-CN@ptglab.com

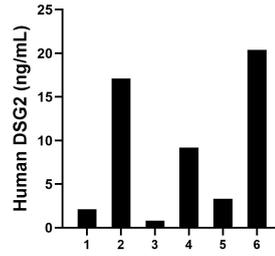
W: ptgcn.com

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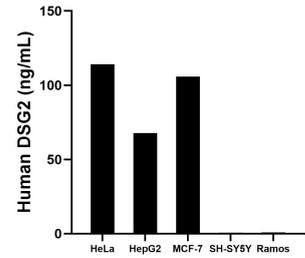
Selected Validation Data



Sandwich ELISA standard curve of MP03039-2, Human DSG2 Recombinant Matched Antibody Pair - PBS only. 87426-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6509. 87426-4-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Plasma of six individual healthy human donors was measured. The DSG2 concentration of detected samples was determined to be 8.8 ng/mL with a range of 0.8-20.4 ng/mL.



The mean DSG2 concentration was determined to be 114.1 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 67.7 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 105.8 ng/mL in MCF-7 cell extract based on a 1.2 mg/mL extract load, 1.0 ng/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load and 1.0 ng/mL in Ramos cell extract based on a 2.3 mg/mL extract load.