

Claudin 1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03201-1**

Capture Antibody Information

Catalog Number:
87782-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
253345A9
Reactivity:
human
GenBank:
BC012471
Immunogen Catalog Number:
Ag29269

Conjugate:
Unconjugated
Full name:
claudin 1
Gene ID:
9076

Detection Antibody Information

Catalog Number:
87782-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
253345C8
Reactivity:
human
GenBank:
BC012471
Immunogen Catalog Number:
Ag29269

Conjugate:
Unconjugated
Full name:
claudin 1
Gene ID:
9076

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.312-40 ng/mL (Cytometric Bead Array)
78.1-2500 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

MP03201-1 targets Claudin 1 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Claudin 1 Recombinant monoclonal antibody, PBS Only (Capture) 87782-2-PBS (253345A9). 100 µg. Concentration 1 mg/mL.

Detection antibody: Claudin 1 Recombinant monoclonal antibody, PBS Only (Detector) 87782-1-PBS (253345C8). 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.

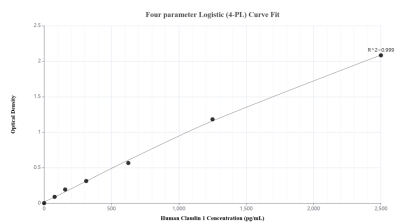
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

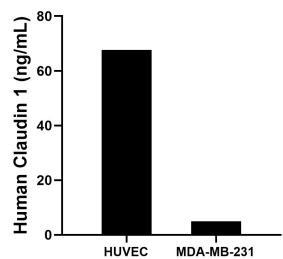
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

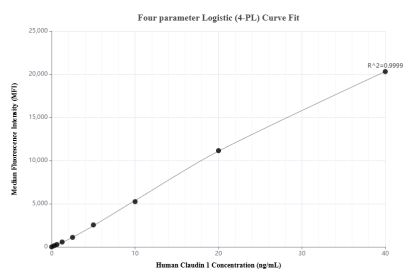
Selected Validation Data



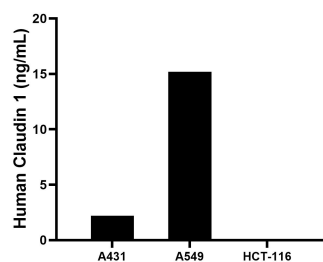
Sandwich ELISA standard curve of MP03201-1, Human Claudin 1 Recombinant Matched Antibody Pair - PBS only. 87782-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag29269. 87782-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-2500 pg/mL



The mean Claudin 1 concentration was determined to be 67.6 ng/mL in HUVEC cell extract based on a 1.5 mg/mL extract load and 5.0 ng/mL in MDA-MB-231 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03201-1, Claudin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87782-2-PBS. Detection antibody: 87782-1-PBS. Standard: Ag29269. Range: 0.312-40 ng/mL



The mean Claudin 1 concentration was determined to be 2.2 ng/mL in A431 cell extract based on a 1.5 mg/mL extract load, 15.2 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load, HCT-116 cell extract were served as a negative control.