

CACNA1C Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP03459-1

Capture Antibody Information

Catalog Number:
88512-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260291B11

Reactivity:
human

GenBank:
BC146846

Immunogen Catalog Number:
Ag16455

Conjugate:
Unconjugated

Full name:
calcium channel, voltage-dependent, L type, alpha 1C subunit

Gene ID:
775

Detection Antibody Information

Catalog Number:
88512-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260291G2

Reactivity:
human

GenBank:
BC146846

Immunogen Catalog Number:
Ag16455

Conjugate:
Unconjugated

Full name:
calcium channel, voltage-dependent, L type, alpha 1C subunit

Gene ID:
775

Applications

Tested Applications:
Sandwich ELISA

Range:
0.78-50 ng/mL (Sandwich ELISA)

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

Product Information

MP03459-1 targets CACNA1C in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CACNA1C Recombinant monoclonal antibody, PBS Only (Capture) 88512-2-PBS (260291B11). 100 µg. Concentration 1 mg/mL.

Detection antibody: CACNA1C Recombinant monoclonal antibody, PBS Only (Detector) 88512-1-PBS (260291G2). 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.

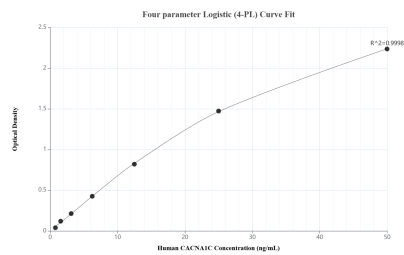
Storage

Storage:
Store at -80°C.

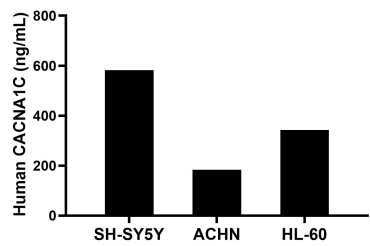
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

Selected Validation Data



Sandwich ELISA standard curve of MP03459-1, Human CACNA1C Recombinant Matched Antibody Pair - PBS only. 88512-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16455. 88512-1-PBS was HRP conjugated as the detection antibody. Range: 0.78-50 ng/mL.



The mean CACNA1C concentration was determined to be 581.70 ng/mL in SH-SY5Y cell extract based on a 1.20 mg/mL extract load, 184.00 ng/mL in ACHN cell extract based on a 1.20 mg/mL extract load and 342.90 ng/mL in HL-60 cell extract based on a 1.20 mg/mL extract load.