

PIK3C2A Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03538-1**

Capture Antibody Information

Catalog Number:
88380-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260864A5

Reactivity:
human, mouse, rat

GenBank:
BC113658

Immunogen Catalog Number:
Ag16894

Conjugate:
Unconjugated

Full name:
phosphoinositide-3-kinase, class 2, alpha polypeptide

Gene ID:
5286

Detection Antibody Information

Catalog Number:
88380-3-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260864A9

Reactivity:
human

GenBank:
BC113658

Immunogen Catalog Number:
Ag16894

Conjugate:
Unconjugated

Full name:
phosphoinositide-3-kinase, class 2, alpha polypeptide

Gene ID:
5286

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.156-20 ng/mL (Cytometric Bead Array)
39.1-2500 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

MP03538-1 targets PIK3C2A in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: PIK3C2A Recombinant monoclonal antibody, PBS Only (Capture) 88380-1-PBS (260864A5). 100 µg. Concentration 1 mg/mL.

Detection antibody: PIK3C2A Recombinant monoclonal antibody, PBS Only (Detector) 88380-3-PBS (260864A9). 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.

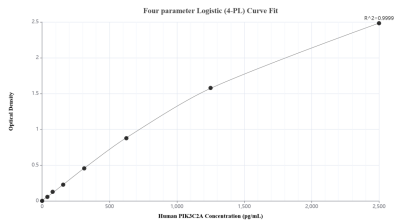
Storage

Storage:
Store at -80°C.

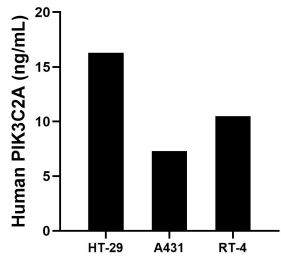
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

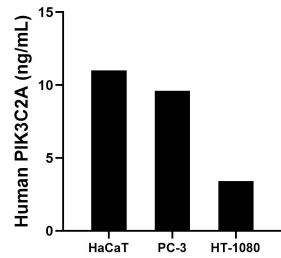
Selected Validation Data



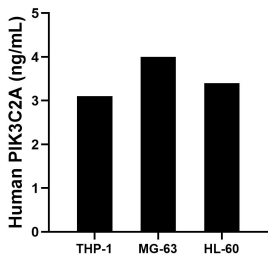
Sandwich ELISA standard curve of MP03538-1, Human PIK3C2A Recombinant Matched Antibody Pair - PBS only. 88380-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16894. 88380-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



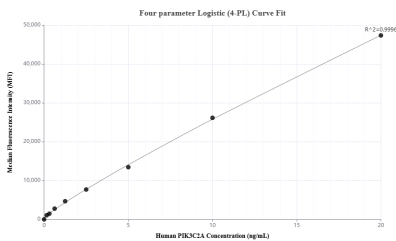
The mean PIK3C2A concentration was determined to be 16.3 ng/mL in HT-29 cell extract based on a 1.2 mg/mL extract load, 7.3 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load and 10.5 ng/mL in RT-4 cell extract based on a 1.2 mg/mL extract load.



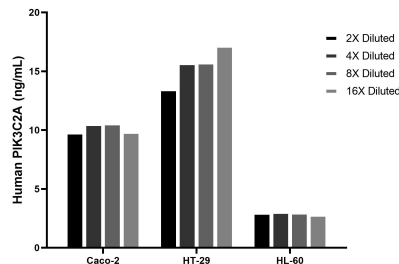
The mean PIK3C2A concentration was determined to be 11.0 ng/mL in HaCaT cell extract based on a 1.2 mg/mL extract load, 9.6 ng/mL in PC-3 cell extract based on a 1.2 mg/mL extract load and 3.4 ng/mL in HT-1080 cell extract based on a 1.2 mg/mL extract load.



The mean PIK3C2A concentration was determined to be 3.1 ng/mL in THP-1 cell extract based on a 1.2 mg/mL extract load, 4.0 ng/mL in MG-63 cell extract based on a 1.2 mg/mL extract load and 3.4 ng/mL in HL-60 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03538-1, PIK3C2A Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88380-1-PBS. Detection antibody: 88380-3-PBS. Standard: Ag16894. Range: 0.156-20 ng/mL



The mean PIK3C2A concentration was determined to be 10.2 ng/mL in Caco-2 cell extract based on a 1.2 mg/mL extract load, 15.5 ng/mL in HT-29 cell extract based on a 1.2 mg/mL extract load, 3.0 ng/mL in HL-60 cell extract based on a 1.2 mg/mL extract load.