

CA2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01702-2**

Capture Antibody Information

Catalog Number: 84954-1-PBS	Clone ID: 242559A2	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: carbonic anhydrase II
Isotype: IgG	GenBank: BC011949	Gene ID: 760
Purification Method: Protein A purification	Immunogen Catalog Number: Ag10680	

Detection Antibody Information

Catalog Number: 84954-2-PBS	Clone ID: 242559E1	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: carbonic anhydrase II
Isotype: IgG	GenBank: BC011949	Gene ID: 760
Purification Method: Protein A purification	Immunogen Catalog Number: Ag10680	

Applications

Tested Applications: Cytometric bead array, Sandwich ELISA	Range: 0.156-20 ng/mL (Cytometric Bead Array) 1.56-100 ng/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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Product Information

MP01702-2 targets CA2 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: CA2 Recombinant antibody, PBS Only (Capture/Detector) 84954-1-PBS (242559A2). 100 µg. Concentration 1 mg/mL.

Detection antibody: CA2 Recombinant antibody, PBS Only (Detector) 84954-2-PBS (242559E1). 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.

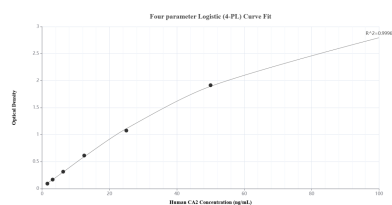
Antibody use should be optimized for each application and assay.

Storage

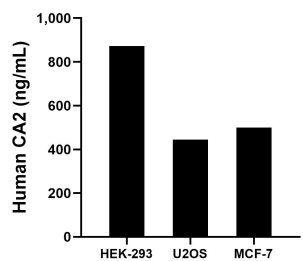
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

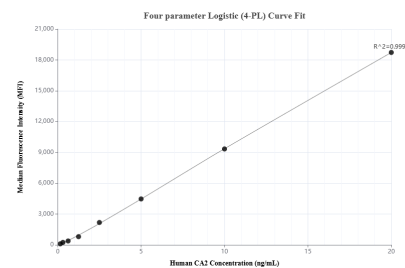
Selected Validation Data



Sandwich ELISA standard curve of MP01702-2, Human CA2 Recombinant Matched Antibody Pair - PBS only. 84954-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag10680. 84954-2-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL.



The mean CA2 concentration was determined to be 872.48 ng/mL in HEK-293 cell extract based on a 2.70 mg/mL extract load, 444.36 ng/mL in U2OS cell extract based on a 3.10 mg/mL extract load and 499.13 ng/mL in MCF-7 cell extract based on a 1.20 mg/mL extract load.



Cytometric bead array standard curve of MP01702-2, CA2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84954-1-PBS. Detection antibody: 84954-2-PBS. Standard: Ag10680. Range: 0.156-20 ng/mL.