

Carbonic Anhydrase IX/CA9 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01136-1**

Capture Antibody Information

Catalog Number:

84233-3-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

241573G5

Reactivity:

human

Immunogen Catalog Number:

Ag36941

Conjugate:

Unconjugated

Full name:

carbonic anhydrase IX

Gene ID:

768

Detection Antibody Information

Catalog Number:

84233-5-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

241573G11

Reactivity:

human

GenBank:

BC014950

Immunogen Catalog Number:

Ag36941

Conjugate:

Unconjugated

Full name:

carbonic anhydrase IX

Gene ID:

768

Applications

Tested Applications:Cytometric bead array, Sandwich
ELISA**Range:**0.313-20 ng/mL (Cytometric Bead
Array)
15.6-1000 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

MP01136-1 targets Carbonic Anhydrase IX/CA9 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: CA9 Recombinant antibody, PBS Only (Capture) 84233-3-PBS (241573G5). 100 µg. Concentration 1 mg/mL.

Detection antibody: CA9 Recombinant antibody, PBS Only (Detector) 84233-5-PBS (241573G11). 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.

Storage buffer:

PBS only

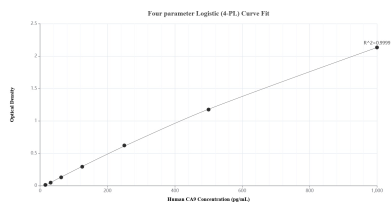
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

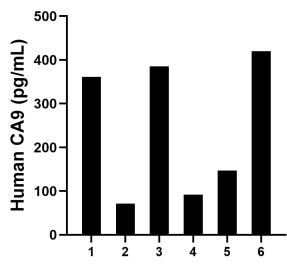
E: proteintech@ptglab.com
W: ptglab.com

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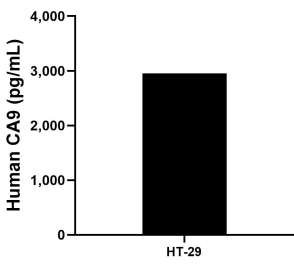
Selected Validation Data



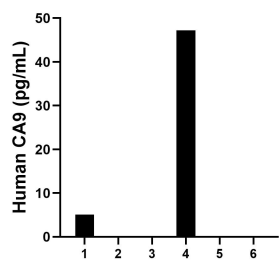
Sandwich ELISA standard curve of MP01136-1, Human CA9 Recombinant Matched Antibody Pair - PBS only. 84233-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag36941. 84233-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL.



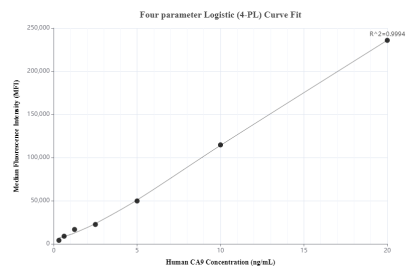
Serum of six individual healthy human donors was measured. The CA9 concentration of detected samples was determined to be 246.1 pg/mL with a range of 71.5-420.1 pg/mL.



HT-29 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human CA9, and measured 2,951.1 pg/mL.



Urine of six individual healthy human donors was measured. Five measured less than the lowest human CA9 standard, 15.6 pg/mL. One sample read 47.2 pg/mL.



Cytometric bead array standard curve of MP01136-1, CA9 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84233-3-PBS. Detection antibody: 84233-5-PBS. Standard: Ag36941. Range: 0.313-20 ng/mL.