

AQP1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP02804-1

Capture Antibody Information

Catalog Number: 81137-5-PBS	Clone ID: 251798C2	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: aquaporin 1 (Colton blood group)
Isotype: IgG	GenBank: BC022486	Gene ID: 358
Purification Method: Protein A purification	Immunogen Catalog Number: Ag14093	

Detection Antibody Information

Catalog Number: 81137-4-PBS	Clone ID: 251798D1	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: aquaporin 1 (Colton blood group)
Isotype: IgG	GenBank: BC022486	Gene ID: 358
Purification Method: Protein A purification	Immunogen Catalog Number: Ag14093	

Applications

Tested Applications: Sandwich ELISA	Range: 78.1-5000 pg/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

MP02804-1 targets AQP1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: AQP1 Recombinant monoclonal antibody, PBS Only (Capture) 81137-5-PBS (251798C2). 100 µg. Concentration 1 mg/mL.

Detection antibody: AQP1 Recombinant monoclonal antibody, PBS Only (Detector) 81137-4-PBS (251798D1). 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.

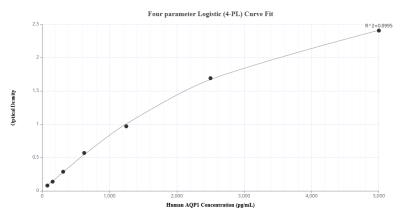
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

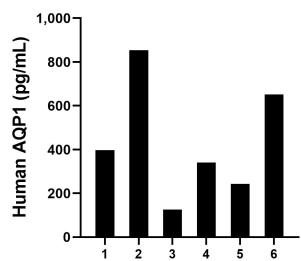
Storage

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

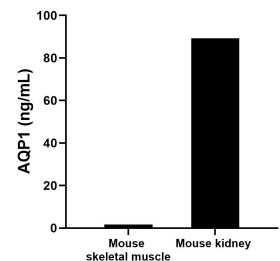
Selected Validation Data



Sandwich ELISA standard curve of MP02804-1, Human AQP1 Recombinant Matched Antibody Pair - PBS only. 81137-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag14093. 81137-4-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Plasma of six individual healthy human donors was measured. The human AQP1 concentration of detected samples was determined to be 435.6 pg/mL with a range of 126.0 - 853.9 pg/mL



The mean AQP1 concentration was determined to be 1.74 ng/mL in mouse skeletal tissue extract based on a 4.1 mg/mL extract load and 89.24 ng/mL in mouse kidney tissue extract based on a 6.4 mg/mL extract load.