

AQP1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP02804-1

Capture Antibody Information

Catalog Number:
81137-5-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251798C2

Reactivity:
human

Immunogen Catalog Number:
Ag14093

Conjugate:
Unconjugated

Full name:
aquaporin 1 (Colton blood group)

Gene ID:
358

Detection Antibody Information

Catalog Number:
81137-4-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251798D1

Reactivity:
human

GenBank:
BC022486

Immunogen Catalog Number:
Ag14093

Conjugate:
Unconjugated

Full name:
aquaporin 1 (Colton blood group)

Gene ID:
358

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.

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.
Storage buffer:
PBS only

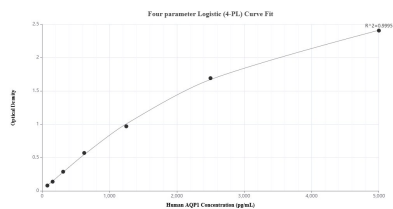
For technical support and original validation data for this product please contact:

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

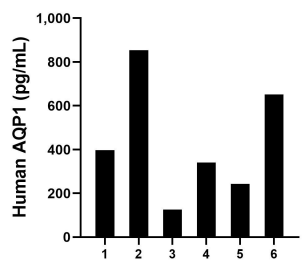
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

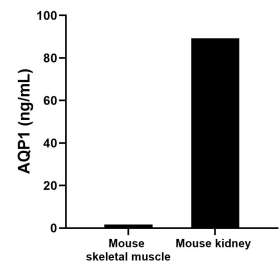
Selected Validation Data



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.