

For Research Use Only

Aquaporin 4 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 82296-3-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 82296-3-PBS | GenBank Accession Number: BC022286 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 361 | CloneNo.: 240856B2 |
| Source: Rabbit | UNIPROT ID: P55087 | |
| Isotype: IgG | Full Name: Aquaporin 4 | |
| Immunogen Catalog Number: AG9561 | Calculated MW: 323 aa, 35 kDa | |

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA,
Sample test

Species Specificity:
human

Product Information

82296-3-PBS targets Aquaporin 4 as part of a matched antibody pair:

MP00781-1: 82296-5-PBS capture and 82296-3-PBS detection (validated in Cytometric bead array)

MP00781-2: 82296-3-PBS capture and 82296-2-PBS detection (validated in Cytometric bead array)

MP00781-3: 82296-4-PBS capture and 82296-3-PBS detection (validated in Cytometric bead array)

MP00781-4: 82296-7-PBS capture and 82296-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

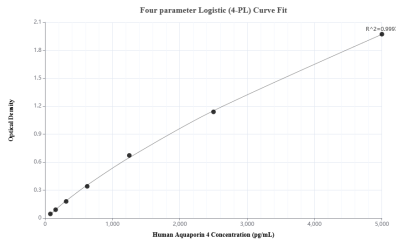
For technical support and original validation data for this product please contact:

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

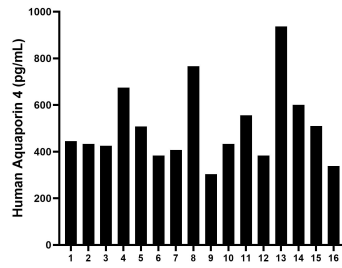
E: proteintech@ptglab.com
W: ptglab.com

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

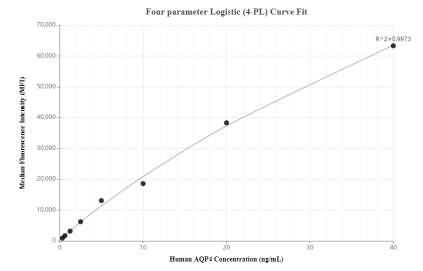
Selected Validation Data



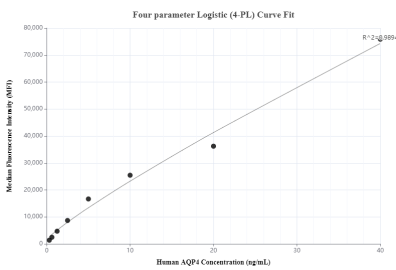
Sandwich ELISA standard curve of MP00781-4, Human Aquaporin 4 Recombinant Matched Antibody Pair - PBS only. 82296-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag9561. 82296-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



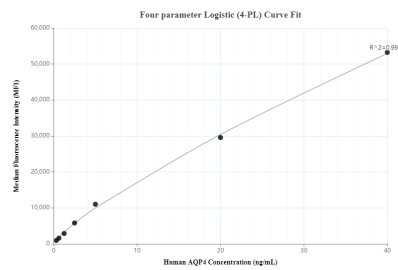
Serum of sixteen humans was measured. The human Aquaporin 4 concentration of detected samples was determined to be 506.6 pg/mL with a range of 303.9 - 937.2 pg/mL



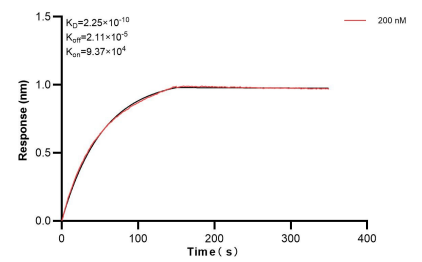
Cytometric bead array standard curve of MP00781-1, AQP4/Aquaporin 4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82296-5-PBS. Detection antibody: 82296-3-PBS. Standard: Ag9561. Range: 0.313-40 ng/mL



Cytometric bead array standard curve of MP00781-2, AQP4/Aquaporin 4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82296-3-PBS. Detection antibody: 82296-2-PBS. Standard: Ag9561. Range: 0.313-40 ng/mL



Cytometric bead array standard curve of MP00781-3, AQP4/Aquaporin 4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82296-4-PBS. Detection antibody: 82296-3-PBS. Standard: Ag9561. Range: 0.313-40 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 82296-3-PBS against Human Aquaporin 4 was performed. The affinity constant is 0.225 nM.