

For Research Use Only

Aquaporin 4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 82296-5-PBS



Basic Information

Catalog Number: 82296-5-PBS	GenBank Accession Number: BC022286	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 361	CloneNo.: 240856H3
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, Indirect ELISA

Species Specificity:
human

Product Information

82296-5-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)

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

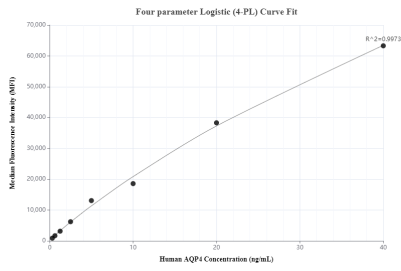
For technical support and original validation data for this product please contact:

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

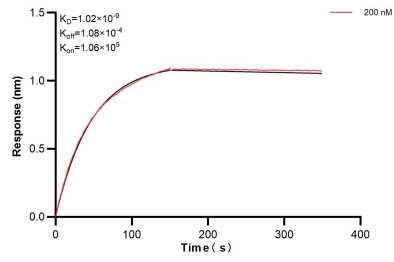
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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



Bilayer interferometry (BLI) kinetic assay of 82296-5-PBS against Human Aquaporin 4 was performed. The affinity constant is 1.02 nM.