

For Research Use Only

AQP1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 81137-4-PBS



Basic Information

Catalog Number: 81137-4-PBS	GenBank Accession Number: BC022486	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 358	CloneNo.: 251798D1
Source: Rabbit	UNIPROT ID: P29972	
Isotype: IgG	Full Name: aquaporin 1 (Colton blood group)	
Immunogen Catalog Number: AG14093	Calculated MW: 269 aa, 29 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

81137-4-PBS targets AQP1 as part of a matched antibody pair:

MP02804-1: 81137-5-PBS capture and 81137-4-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.

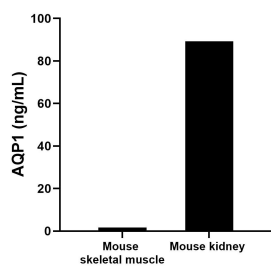
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

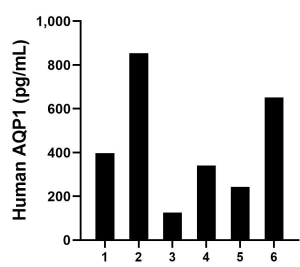
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

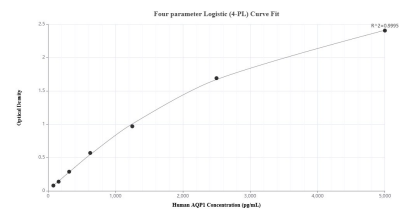
Selected Validation Data



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.



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.



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