

For Research Use Only

NHE3 Recombinant antibody, PBS Only (Detector)

Catalog Number:83832-3-PBS



Basic Information

Catalog Number: 83832-3-PBS	GenBank Accession Number: BC101669	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6550	CloneNo.: 240999B6
Source: Rabbit	UNIPROT ID: P48764	
Isotype: IgG	Full Name: solute carrier family 9 (sodium/hydrogen exchanger), member 3	
Immunogen Catalog Number: AG25637	Calculated MW: 834 aa, 93 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83832-3-PBS targets NHE3 as part of a matched antibody pair:

MP00818-1: 83832-2-PBS capture and 83832-3-PBS detection (validated in Cytometric bead array)

MP00818-2: 83832-5-PBS capture and 83832-3-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.

Background Information

SLC9A3, also known as NHE3, belongs to the sodium hydrogen exchange protein family (NHE) and is mainly responsible for regulating the concentration of sodium and hydrogen ions inside and outside the cell. SLC9A3 is a major apical Na⁺/H⁺ exchanger in kidney and intestine, playing an important role in renal and intestine Na⁺ absorption and blood pressure regulation (PMID:24622516, 2635877). Mutations in SLC9A3 cause Congenital Sodium Diarrhea (PMID: 26358773, 31276831).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

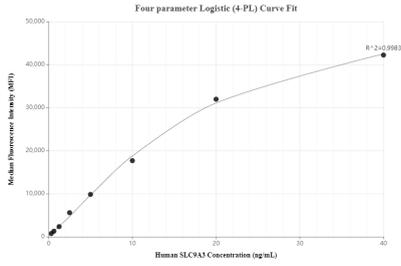
For technical support and original validation data for this product please contact:

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

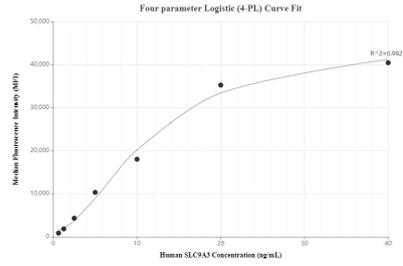
E: proteintech@ptglab.com
W: ptglab.com

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

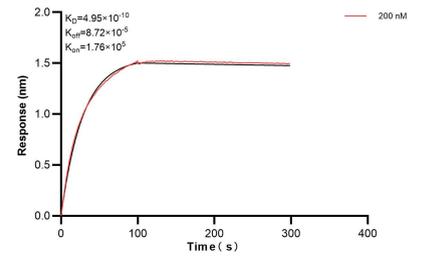
Selected Validation Data



Cytometric bead array standard curve of MP00818-1, SLC9A3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83832-2-PBS. Detection antibody: 83832-3-PBS. Standard: Ag25637. Range: 0.313-40 ng/mL



Cytometric bead array standard curve of MP00818-2, SLC9A3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83832-5-PBS. Detection antibody: 83832-3-PBS. Standard: Ag25637. Range: 0.625-40 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 83832-3-PBS against Human NHE3 was performed. The affinity constant is 0.495 nM.