

For Research Use Only

# NHE3 Recombinant antibody, PBS Only (Detector)

Catalog Number:83832-3-PBS



## Basic Information

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

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## 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<sup>+</sup>/H<sup>+</sup> exchanger in kidney and intestine, playing an important role in renal and intestine Na<sup>+</sup> absorption and blood pressure regulation (PMID:24622516, 2635877). Mutations in SLC9A3 cause Congenital Sodium Diarrhea (PMID: 26358773, 31276831).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

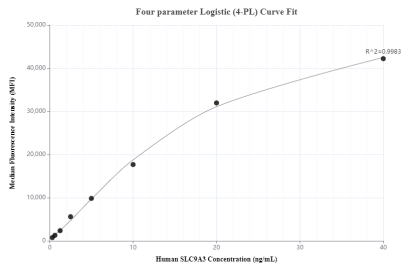
T: 4006900926

E: Proteintech-CN@ptglab.com

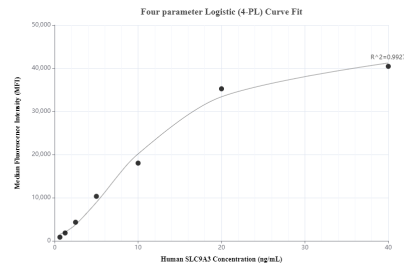
W: ptgcn.com

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

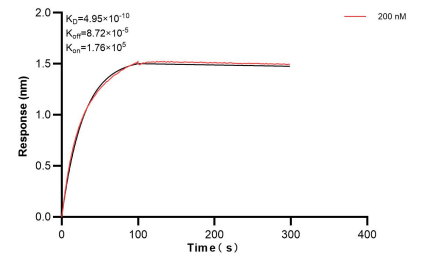
## Selected Validation Data



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.