

Human Sodium/Hydrogen Exchanger 3 (NHE3) ELISA Kit | NHE3 elisa kit

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CATALOG #
AAA68618

REACTIVITY
Human

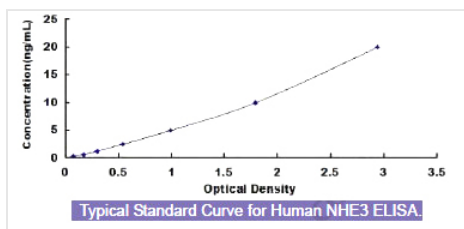
PRODUCT SYNONYMS

Sodium/Hydrogen Exchanger 3 (NHE3); Human Sodium/Hydrogen Exchanger 3 (NHE3) ELISA Kit; SLC9A3; Solute Carrier Family 9 Member 3; Sodium-hydrogen antiporter 3; Na(+)/H(+) exchanger 3; NHE3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NHE3. No significant cross-reactivity or interference between NHE3 and analogues was observed.
Sequence Length	825
Samples	tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.093ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NHE3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NHE3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NHE3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NHE3 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NHE3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NHE3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NHE3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NHE3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	547235625
NCBI GeneID	6550
NCBI Accession #	NP_001271280.1
NCBI GenBank Nucleotide #	NM_001284351.2
UniProt Accession #	P48764; Q3MIW3; B7ZKR2; E9PF67
Molecular Weight	91,904 Da
NCBI Official Full Name	sodium/hydrogen exchanger 3 isoform 2
NCBI Official Synonym Full Names	solute carrier family 9 member A3
NCBI Official Symbol	SLC9A3
NCBI Official Synonym Symbols	NHE3; DIAR8; NHE-3
NCBI Protein Information	sodium/hydrogen exchanger 3
UniProt Protein Name	Sodium/hydrogen exchanger 3
UniProt Gene Name	SLC9A3
UniProt Synonym Gene Names	NHE-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/sodium-hydrogen-exchanger-3-nhe3/68618>