

Human Solute Carrier Family 26, Member 4 (SLC26A4) RTU ELISA Kit | SLC26A4 rtu elisa kit

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CATALOG # AAA218446	REACTIVITY Human
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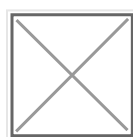
PRODUCT SYNONYMS

Solute Carrier Family 26; Member 4 (SLC26A4); Human Solute Carrier Family 26; Member 4 (SLC26A4) ELISA Kit; Pendrin; DFNB4; PDS; Sodium-Independent Chloride/Iodide Transporter; SLC26A4 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC26A4. No significant cross-reactivity or interference between SLC26A4 and analogues was observed.
Sequence Length	780
Samples	Serum, plasma, tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.121ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SLC26A4 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 SLC26A4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC26A4 rtu elisa kit	<p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SLC26A4 in human serum, plasma, tissue homogenates, cell lysates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SLC26A4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SLC26A4. 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 SLC26A4, 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 SLC26A4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505697
NCBI GeneID	5172
NCBI Accession #	NP_000432.1
NCBI GenBank Nucleotide #	NM_000441.1
UniProt Accession #	O43511; O43170; B7Z266
Molecular Weight	39,267 Da
NCBI Official Full Name	pendrin
NCBI Official Synonym Full Names	solute carrier family 26 member 4
NCBI Official Symbol	SLC26A4
NCBI Official Synonym Symbols	EVA; PDS; DFNB4; TDH2B
NCBI Protein Information	pendrin
UniProt Protein Name	Pendrin
UniProt Gene Name	SLC26A4
UniProt Synonym Gene Names	PDS

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-rtu-elisa-kits/solute-carrier-family-26-member-4-slc26a4/218446>