

Rat SLC5A5 (Solute carrier family 5 member 5) ELISA Kit | SLC5A5 elisa kit

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CATALOG #
AAA249406

REACTIVITY
Rat

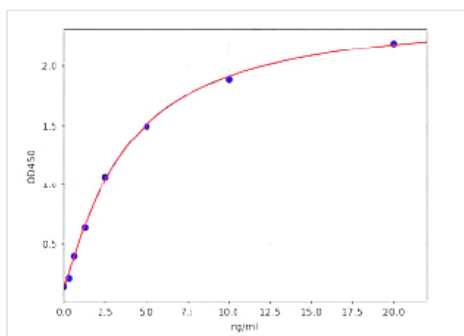
PRODUCT SYNONYMS

SLC5A5 (Solute carrier family 5 member 5); Rat SLC5A5 (Solute carrier family 5 member 5) ELISA Kit; NIS; SLC5A5; Sodium iodide symporter; Sodium/iodide cotransporter; SLC5A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC5A5. No significant cross-reactivity or interference between SLC5A5 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC5A5 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158138505
NCBI GeneID	114613
NCBI Accession #	NP_443215.2
NCBI GenBank Nucleotide #	NM_052983.2
UniProt Accession #	Q63008
Molecular Weight	65,196 Da
NCBI Official Full Name	sodium/iodide cotransporter
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/iodide cotransporter), member 5
NCBI Official Symbol	Slc5a5
NCBI Official Synonym Symbols	Nis
NCBI Protein Information	sodium/iodide cotransporter; Na+/I- symporter; Na(+)/I(-) symporter; Na(+)/I(-)-symporter; sodium-iodide symporter; Na(+)/I(-) cotransporter; solute carrier family 5, member 5; solute carrier family 5 (sodium iodide symporter), member 5
UniProt Protein Name	Sodium/iodide cotransporter
UniProt Gene Name	Slc5a5
UniProt Synonym Gene Names	Nis; Na(+)/I(-) cotransporter; Na(+)/I(-) symporter
UniProt Entry Name	SC5A5_RAT

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://www.aaabiotech.com/rat-elisa-kits/slc5a5-solute-carrier-family-5-member-5/249406>