

Human SGLT2 (Sodium/glucose cotransporter 2) ELISA Kit | SGLT2 elisa kit

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CATALOG #
AAA249669

REACTIVITY
Human

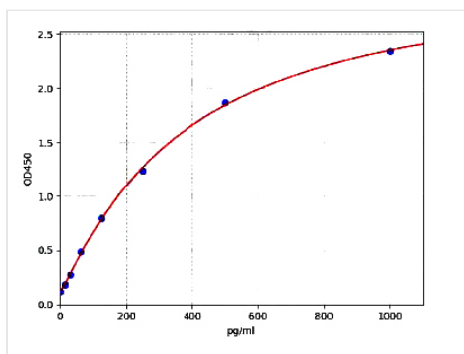
PRODUCT SYNONYMS

SGLT2 (Sodium/glucose cotransporter 2); Human SGLT2 (Sodium/glucose cotransporter 2) ELISA Kit; Sodium/glucose cotransporter 2; Na(+)/glucose cotransporter 2; Low affinity sodium-glucose cotransporter; Solute carrier family 5 member 2; SLC5A2; SGLT2; SGLT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SGLT2. No significant cross-reactivity or interference between SGLT2 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	15.625-1000pg/ml
Sensitivity	9.375pg/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 SGLT2 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507033
NCBI GeneID	6524
NCBI Accession #	NP_003032.1
NCBI GenBank Nucleotide #	NM_003041.3
UniProt Accession #	P31639
Molecular Weight	72,897 Da
NCBI Official Full Name	sodium/glucose cotransporter 2
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/glucose cotransporter), member 2
NCBI Official Symbol	SLC5A2
NCBI Official Synonym Symbols	SGLT2
NCBI Protein Information	sodium/glucose cotransporter 2; Na(+)/glucose cotransporter 2; solute carrier family 5 member 2; low affinity sodium-glucose cotransporter; solute carrier family 5 (sodium/glucose transporter), member 2
UniProt Protein Name	Sodium/glucose cotransporter 2
UniProt Gene Name	SLC5A2
UniProt Synonym Gene Names	SGLT2; Na(+)/glucose cotransporter 2
UniProt Entry Name	SC5A2_HUMAN

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.