

Human Potassium Chloride Cotransporters 4 (KCC4) ELISA Kit | KCC4 elisa kit

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CATALOG #
AAA66750

REACTIVITY
Human

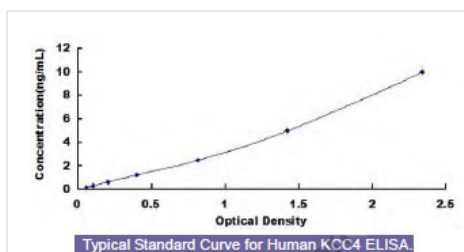
PRODUCT SYNONYMS

Potassium Chloride Cotransporters 4 (KCC4); Human Potassium Chloride Cotransporters 4 (KCC4) ELISA Kit; SLC12A7; Solute Carrier Family 12(Potassium/Chloride Transporters)Member 7; Electroneutral potassium-chloride cotransporter 4; K-Cl cotransporter 4; KCC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KCC4. No significant cross-reactivity or interference between KCC4 and analogues was observed.
Sequence Length	1083
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KCC4 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 KCC4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCC4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KCC4 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KCC4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KCC4. 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 KCC4, 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 KCC4 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 #	123701900
NCBI GeneID	10723
NCBI Accession #	NP_006589.2
NCBI GenBank Nucleotide #	NM_006598.2
UniProt Accession #	Q9Y666; Q4G0F3; Q96I81; Q9H7I3; Q9H7I7; Q9UFW2; A6NDS8
Molecular Weight	28,258 Da
NCBI Official Full Name	solute carrier family 12 member 7
NCBI Official Synonym Full Names	solute carrier family 12 member 7
NCBI Official Symbol	SLC12A7
NCBI Official Synonym Symbols	KCC4
NCBI Protein Information	solute carrier family 12 member 7
UniProt Protein Name	Solute carrier family 12 member 7
UniProt Gene Name	SLC12A7
UniProt Synonym Gene Names	KCC4

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/potassium-chloride-cotransporters-4-kcc4/66750>