

Human Electrogenic Sodium Bicarbonate Cotransporter 4 (SLC4A5) ELISA Kit | SLC4A5 elisa kit

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CATALOG #
AAA330810

REACTIVITY
Human

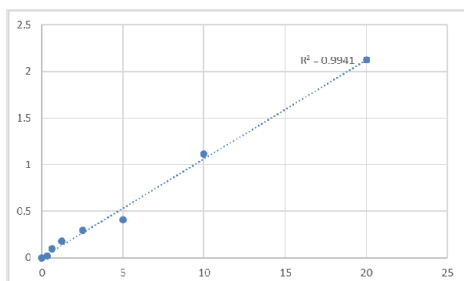
PRODUCT SYNONYMS

Electrogenic Sodium Bicarbonate Cotransporter 4 (SLC4A5); Human Electrogenic Sodium Bicarbonate Cotransporter 4 (SLC4A5) ELISA Kit; SLC4A5; MGC129662; NBC4; OTTHUMP00000115292; sodium bicarbonate transporter 4; SLC4A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Electrogenic sodium bicarbonate cotransporter 4 (SLC4A5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC4A5. No significant cross-reactivity or interference between Human SLC4A5 and analogues was observed.
Sequence Length	1137
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Electrogenic sodium bicarbonate cotransporter 4 (SLC4A5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC4A5 elisa kit	Description: This Human Electrogenic sodium bicarbonate cotransporter 4 (SLC4A5) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC4A5 in samples. An antibody specific for SLC4A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC4A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC4A5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC4A5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC4A5 is a member of the sodium bicarbonate cotransporter (NBC) family, part of the bicarbonate transporter superfamily. Sodium bicarbonate cotransporters are involved in intracellular pH regulation and electroneural or electrogenic sodium bicarbonate transport. This protein is thought to be an integral membrane protein. Multiple transcript variants encoding different isoforms have been found for this gene, but the biological validity of some variants has not been determined.Highest expression observed in liver, spleen and testis; moderate expression in the choroid plexus, hippocampus, cerebrum and cerebellum of brain, and in kidney cortex and kidney medulla. Also observed in heart, pancreas, muscle, lung, placenta, stomach and small intestine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125987596
NCBI GeneID	57835
NCBI Accession #	NP_067019.3
NCBI GenBank Nucleotide #	NP_067019.3
UniProt Accession #	Q9BY07
NCBI Official Full Name	electrogenic sodium bicarbonate cotransporter 4 isoform a
NCBI Official Synonym Full Names	solute carrier family 4 member 5
NCBI Official Symbol	SLC4A5
NCBI Official Synonym Symbols	NBC4; NBCe2
NCBI Protein Information	electrogenic sodium bicarbonate cotransporter 4
UniProt Protein Name	Electrogenic sodium bicarbonate cotransporter 4
UniProt Gene Name	SLC4A5

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/human-elisa-kits/electrogenic-sodium-bicarbonate-cotransporter-4-slc4a5/330810>