

Human Choline transporter like protein 1 (SLC44A1) ELISA Kit | SLC44A1 elisa kit

Human Choline transporter like protein 1 (SLC44A1) ELISA Kit

CATALOG #
AAA27118

REACTIVITY
Human

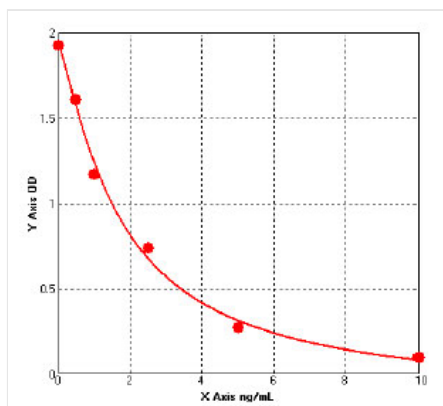
PRODUCT SYNONYMS

Choline transporter like protein 1 (SLC44A1); Human Choline transporter like protein 1 (SLC44A1) ELISA Kit; SLC44A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC44A1. No significant cross-reactivity or interference between SLC44A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SLC44A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC44A1 elisa kit	Principle of the Assay: SLC44A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SLC44A1 antibody and an SLC44A1-HRP conjugate. The assay sample and buffer are incubated together with SLC44A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SLC44A1 concentration since SLC44A1 from samples and SLC44A1-HRP conjugate compete for the anti-SLC44A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC44A1 from the sample, fewer sites are left to bind SLC44A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC44A1 concentration in each sample is interpolated from this standard curve. Intended Uses: This SLC44A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SLC44A1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	18034692
NCBI GeneID	23446
NCBI Accession #	NP_536856.2
NCBI GenBank Nucleotide #	NM_080546.4
Molecular Weight	73,012 Da
NCBI Official Full Name	choline transporter-like protein 1 isoform a
NCBI Official Synonym Full Names	solute carrier family 44 (choline transporter), member 1
NCBI Official Symbol	SLC44A1
NCBI Official Synonym Symbols	CD92; CTL1; CDW92; CHTL1
NCBI Protein Information	choline transporter-like protein 1; CDW92 antigen; solute carrier family 44, member 1
UniProt Protein Name	Choline transporter-like protein 1
UniProt Gene Name	SLC44A1
UniProt Synonym Gene Names	CD92; CDW92; CTL1
UniProt Entry Name	CTL1_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.