Human Choline transporter-like protein 4 (SLC44A4) ELISA Kit | SLC44A4 elisa kit

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CATALOG #	REACTIVITY
AAA190402	**Human**

PRODUCT SYNONYMS

Choline transporter-like protein 4 (SLC44A4); Human Choline transporter-like protein 4 (SLC44A4) ELISA Kit; DADB-333F21.6; C6orf29; CTL4; FLJ14491; NG22; choline transporter-like protein 4; SLC44A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human SLC44A4. No significant cross-reactivity or interference between Human SLC44A4 and analogues was observed.
Assay Type	Quantitive Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.078ng/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate SLC44A4 in samples. An antibody specific for SLC44A4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC44A4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC44A4 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 SLC44A4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295849282
NCBI GeneID	80736
NCBI Accession #	NP_001171515.1
NCBI GenBank Nucleotide #	NM_001178044.1

UniProt Accession #	Q53GD3; Q5JP84; Q5JQ93; Q658S8; Q6UX89; Q8TEW4; A2BED3; B0UXX8; B0UZY8; B4DU94; B4DWM2; E9PEK7
Molecular Weight	79,254 Da
NCBI Official Full Name	choline transporter-like protein 4 isoform 2
NCBI Official Synonym Full Names	solute carrier family 44, member 4
NCBI Official Symbol	SLC44A4
NCBI Official Synonym Symbols	CTL4; NG22; TPPT; C6orf29
NCBI Protein Information	choline transporter-like protein 4
UniProt Protein Name	Choline transporter-like protein 4
UniProt Gene Name	**SLC44A4**
UniProt Synonym Gene Names	C6orf29; CTL4; NG22; UNQ441/PRO874
UniProt Entry Name	CTL4_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.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/choline-transporter-like-protein-4-slc44a4/190402