

Human Monocarboxylate transporter 2 (SLC16A7) ELISA Kit | SLC16A7 elisa kit

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CATALOG #
AAA190403

REACTIVITY
Human

PRODUCT SYNONYMS

Monocarboxylate transporter 2 (SLC16A7); Human Monocarboxylate transporter 2 (SLC16A7) ELISA Kit; MCT2; monocarboxylate transporter 2[solute carrier family 16 (monocarboxylic acid transporters); member 7[solute carrier family 16; member 7; SLC16A7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human SLC16A7. No significant cross-reactivity or interference between Human SLC16A7 and analogues was observed.
Assay Type	Quantitive Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.39ng/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 SLC16A7 in samples. An antibody specific for SLC16A7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC16A7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC16A7 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 SLC16A7 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 #	313104141
NCBI GeneID	9194
UniProt Accession #	O60669; Q8NEM3; Q9UPB3
Molecular Weight	478

NCBI Official Full Name	Monocarboxylate transporter 2
NCBI Official Synonym Full Names	solute carrier family 16 (monocarboxylate transporter), member 7
NCBI Official Symbol	SLC16A7
NCBI Official Synonym Symbols	MCT2
NCBI Protein Information	monocarboxylate transporter 2; solute carrier family 16, member 7 (monocarboxylic acid transporter 2)
UniProt Protein Name	Monocarboxylate transporter 2
UniProt Gene Name	SLC16A7
UniProt Synonym Gene Names	MCT2; MCT 2
UniProt Entry Name	MOT2_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://www.aaabiotech.com/human-elisa-kits/monocarboxylate-transporter-2-slc16a7/190403>