

Mouse Mcu (Calcium uniporter protein, mitochondrial) ELISA Kit | Mcu elisa kit

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CATALOG #
AAA250057

REACTIVITY
Mouse

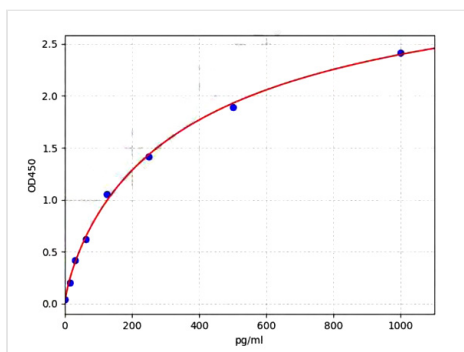
PRODUCT SYNONYMS

Mcu (Calcium uniporter protein; mitochondrial); Mouse Mcu (Calcium uniporter protein; mitochondrial) ELISA Kit; Calcium uniporter protein; mitochondrial; Mcu; Mcu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mcu. No significant cross-reactivity or interference between Mcu and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mcu elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	168823441
NCBI GeneID	215999
NCBI Accession #	NP_001028431.2
NCBI GenBank Nucleotide #	NM_001033259.4
UniProt Accession #	Q3UMR5; Q3TTK3; B2RTD1
Molecular Weight	39,682 Da
NCBI Official Full Name	calcium uniporter protein, mitochondrial
NCBI Official Synonym Full Names	mitochondrial calcium uniporter
NCBI Official Symbol	Mcu
NCBI Official Synonym Symbols	Gm64; AV064928; C10orf42; Ccdc109a; 2010012O16Rik; D130073L02Rik
NCBI Protein Information	calcium uniporter protein, mitochondrial; coiled-coil domain containing 109A
UniProt Protein Name	Calcium uniporter protein, mitochondrial
UniProt Gene Name	Mcu
UniProt Synonym Gene Names	Ccdc109a
UniProt Entry Name	MCU_MOUSE

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/mouse-elisa-kits/mcu-calcium-uniporter-protein-mitochondrial/250057>