

Mouse Methylmalonyl-CoA mutase, mitochondrial (MUT) ELISA Kit | MUT elisa kit

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CATALOG #
AAA246243

REACTIVITY
Mouse

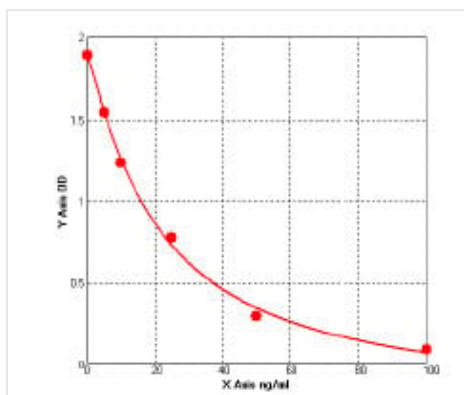
PRODUCT SYNONYMS

Methylmalonyl-CoA mutase; mitochondrial (MUT); Mouse Methylmalonyl-CoA mutase; mitochondrial (MUT) ELISA Kit; MUT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	750
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUT elisa kit	Intended Uses: This MUT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MUT. This ELISA kit for research use only! Principle of the Assay: MUT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MUT antibody and an MUT-HRP conjugate. The assay sample and buffer are incubated together with MUT-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 MUT concentration since MUT from samples and MUT-HRP conjugate compete for the anti-MUT antibody binding site. Since the number of sites is limited, as more sites are occupied by MUT from the sample, fewer sites are left to bind MUT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MUT elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	156105689
NCBI GeneID	4594
NCBI Accession #	NP_000246.2
NCBI GenBank Nucleotide #	NM_000255.3
UniProt Accession #	P22033; Q5SYZ3; Q96B11; Q9UD64; A8K953
Molecular Weight	83,134 Da
NCBI Official Full Name	methylmalonyl-CoA mutase, mitochondrial
NCBI Official Synonym Full Names	methylmalonyl-CoA mutase
NCBI Official Symbol	MUT
NCBI Official Synonym Symbols	MCM
NCBI Protein Information	methylmalonyl-CoA mutase, mitochondrial
UniProt Protein Name	Methylmalonyl-CoA mutase, mitochondrial
UniProt Gene Name	MUT
UniProt Synonym Gene Names	MCM
UniProt Entry Name	MUTA_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/mouse-elisa-kits/methylmalonyl-coa-mutase-mitochondrial-mut/246243>