

Sheep Creatine Kinase, Mitochondrial 1B ELISA Kit | CKMT1B elisa kit

Sheep Creatine Kinase, Mitochondrial 1B ELISA Kit

CATALOG #
AAA96103

REACTIVITY
Sheep

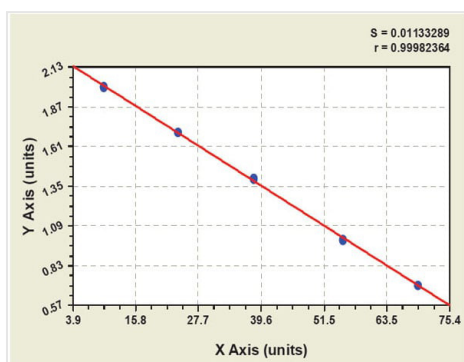
PRODUCT SYNONYMS

Creatine Kinase; Mitochondrial 1B; Sheep Creatine Kinase; Mitochondrial 1B ELISA Kit; CKMT1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKMT1B elisa kit

Principle of the assay: CKMT1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CKMT1B antibody and an CKMT1B-HRP conjugate. The assay sample and buffer are incubated together with CKMT1B-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 CKMT1B concentration since CKMT1B from samples and CKMT1B-HRP conjugate compete for the anti-CKMT1B antibody binding site. Since the number of sites is limited, as more sites are occupied by CKMT1B from the sample, fewer sites are left to bind CKMT1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CKMT1B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CKMT1B elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10334859
NCBI GeneID	1159
NCBI Accession #	NP_066270.1
NCBI GenBank Nucleotide #	NM_020990.3
Molecular Weight	50,421 Da
NCBI Official Full Name	creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1B
NCBI Official Symbol	CKMT1B
NCBI Official Synonym Symbols	CKMT; CKMT1; UMTCK
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; mia-CK; ubiquitous mitochondrial creatine kinase; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous)
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT CKMT1B ; CKMT; Mia-CK; U-MtCK
UniProt Entry Name	KCRU_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ckmt1b-sheep-elisa-kits/creatine-kinase-mitochondrial-1b/96103>