

Canine Creatine kinase M-type ELISA Kit | CKM elisa kit

Canine Creatine kinase M-type (CKM) ELISA Kit

CATALOG # AAA55879	REACTIVITY Canine
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PRODUCT SYNONYMS

Creatine kinase M-type; Canine Creatine kinase M-type (CKM) ELISA Kit; CKMM; M-CK; creatine kinase M chain|creatine kinase-M|muscle creatine kinase; CKM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Canine CKM. No significant cross-reactivity or interference between Canine CKM and analogues was observed.
Sequence Length	381
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.78 ng/mL - 50 ng/mL
Sensitivity	0.39 ng/mL (mean of 6 independent assays)
Intra-assay 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. Intra-Assay: CV<10%
Inter-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. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CKM elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CKM in Canine serum, plasma. An antibody specific for CKM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CKM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CKM 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 CKM bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Canine Creatine kinase M-type (CKM) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	924442948
NCBI GeneID	476435
NCBI Accession #	NP_001300705.1
NCBI GenBank Nucleotide #	NM_001313776.1

UniProt Accession #	P05123
Molecular Weight	43,153 Da
NCBI Official Full Name	creatine kinase M-type
NCBI Official Synonym Full Names	creatine kinase, M-type
NCBI Official Symbol	CKM
NCBI Official Synonym Symbols	M-CK
NCBI Protein Information	creatine kinase M-type
UniProt Protein Name	Creatine kinase M-type
UniProt Gene Name	CKM

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/ckm-canine-elisa-kits/creatine-kinase-m-type/55879>