

Canine Creatine Kinase-BB ELISA Kit | CK-BB elisa kit

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CATALOG #
AAA95306

REACTIVITY
Canine

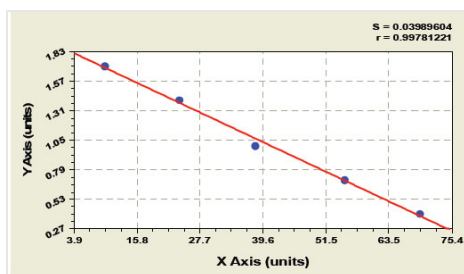
PRODUCT SYNONYMS

Creatine Kinase-BB; Canine Creatine Kinase-BB ELISA Kit; CK-BB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CK-BB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CK-BB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CK-BB elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #

[126723525](#)

NCBI GeneID	100009085
NCBI Accession #	NP_001075730.1
NCBI GenBank Nucleotide #	NM_001082261.1
Molecular Weight	42,663 Da
NCBI Official Full Name	creatine kinase B-type
NCBI Official Symbol	CKB
NCBI Protein Information	creatine kinase B-type; B-CK; creatine kinase B chain
UniProt Protein Name	Creatine kinase B-type
UniProt Gene Name	CKB
UniProt Entry Name	KCRB_RABIT

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/ck-bb-canine-elisa-kits/creatine-kinase-bb/95306>