

Human Creatine Kinase B (CK-BB) CLIA Kit | CK-BB clia kit

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CATALOG # AAA189066	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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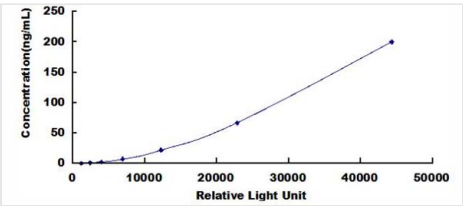
PRODUCT SYNONYMS

Creatine Kinase B (CK-BB); Human Creatine Kinase B (CK-BB) CLIA Kit; Creatine Kinase B; CKB; CKBB; CK-B; CK-1; Creatine Kinase; Brain; CK-BB clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Creatine Kinase B (CK-BB). No significant cross-reactivity or interference between Creatine Kinase B (CK-BB) and analogues was observed.
Sequence Length	381
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids.
Detection Range	0.27-200ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.11ng/mL
Applicable Applications for CK-BB clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Creatine Kinase B (CK-BB) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Creatine Kinase B (CK-BB) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Creatine Kinase B (CK-BB). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Creatine Kinase B (CK-BB). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Creatine Kinase B (CK-BB) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	125294
NCBI GeneID	1152
UniProt Accession #	P12277
NCBI Official Full Name	Creatine kinase B-type
NCBI Official Synonym Full Names	creatine kinase B
NCBI Official Symbol	CKB
NCBI Official Synonym Symbols	BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29
NCBI Protein Information	creatine kinase B-type
UniProt Protein Name	Creatine kinase B-type
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB
UniProt Entry Name	KCRB_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/human-clia-kits/creatine-kinase-b-ck-bb/189066>