

Rat Creatine Kinase, Brain (CKB) ELISA Kit | CKB elisa kit

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CATALOG #
AAA140631

REACTIVITY
Rat

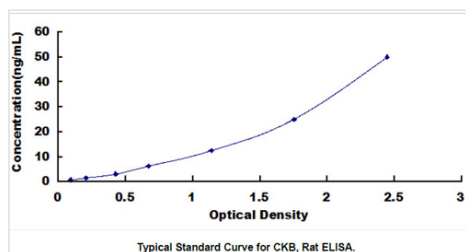
PRODUCT SYNONYMS

Creatine Kinase; Brain (CKB); Rat Creatine Kinase; Brain (CKB) ELISA Kit; CK-BB; CKBB; CK-B; CK-1; CKB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Creatine Kinase, Brain (CKB). No significant cross-reactivity or interference between Creatine Kinase, Brain (CKB) and analogues was observed.
Sequence Length	381
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	27pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Creatine Kinase, Brain (CKB) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Creatine Kinase, Brain (CKB) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for CKB elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Creatine Kinase, Brain (CKB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Creatine Kinase, Brain (CKB). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Creatine Kinase, Brain (CKB), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Creatine Kinase, Brain (CKB) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CKB elisa kit	Enzyme & Kinase; Metabolic pathway; Cardiovascular biology; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	17939433
NCBI GeneID	1152
Molecular Weight	42,644 Da
NCBI Official Full Name	Creatine kinase, brain
NCBI Official Synonym Full Names	creatine kinase, brain
NCBI Official Symbol	CKB
NCBI Official Synonym Symbols	BCK; B-CK; CKBB; 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.