

Mouse PKB ELISA Kit | PKB elisa kit

Mouse PKB (Protein Kinase B) ELISA Kit

CATALOG #
AAA163778

REACTIVITY
Mouse

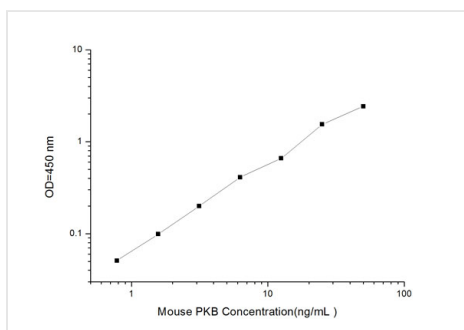
PRODUCT SYNONYMS

PKB; Mouse PKB (Protein Kinase B) ELISA Kit; PKB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This kit recognizes Mouse PKB in samples. No significant cross-reactivity or interference between Mouse PKB and analogues was observed.
Sequence Length	480
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.47ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse PKB were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse PKB were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKB elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse PKB. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse PKB and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse PKB, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Mouse PKB. You can calculate the concentration of Mouse PKB in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse PKB concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	530403240
NCBI GeneID	207
NCBI Accession #	XP_005267458.1
NCBI GenBank Nucleotide #	XM_005267401.1
UniProt Accession #	P31749; Q9BWB6; B2RAM5; B7Z5R1
Molecular Weight	48,347 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase isoform X1
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase; AKT1m; PKB alpha; RAC-PK-alpha; protein kinase B alpha; proto-oncogene c-Akt; rac protein kinase alpha
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha
UniProt Entry Name	AKT1_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/mouse-elisa-kits/pkb/163778>